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WEST CHESTER STATE COLLEGE

WEST CHESTER, PENNSYLVANIA

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WEST CHESTER STATE COLLEGE

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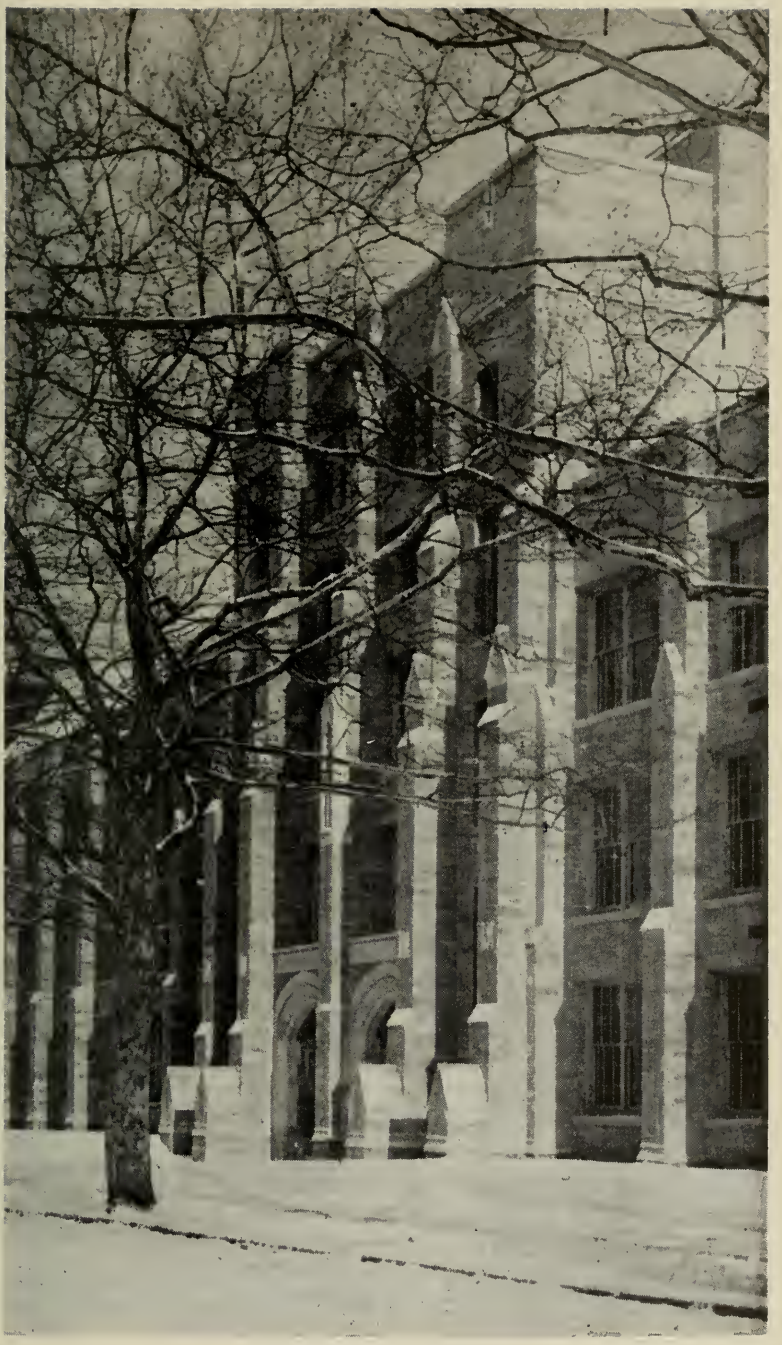

ANDERSON HALL

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University of Michigan, B.A.; University of Chicago, M.A.

ANNE M. GOSHEN *Department of Education, Emeritus*
West Chester State College; University of Michigan, B.L.; University of Pennsylvania, A.M.

GERTRUDE K. SCHMIDT *Department of Music, Emeritus*
Institute of Musical Art, New York; Trenton State Normal School; New York University, B.S. Mus., M.A.

CHARLES W. HEATHCOTE *Department of Social Studies, Emeritus*
Gettysburg College, B.A.; University of Pennsylvania, A.M.; George Washington University, Ph.D.

MARION FARNHAM *Department of Art, Emeritus*
Massachusetts School of Art; University of Puerto Rico, B.A.: Boston University, M.A.

GEORGE R. CRESSMAN *Department of Education, Emeritus*
Pennsylvania State University, B.S.; University of Pennsylvania, A.M., Ph.D.

FACULTY

1961-1962

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B.A., Swarthmore College; M.A., University of Pennsylvania; Ph.D., University of Pennsylvania

ALEXANDER ANTONOWICH (1945) *Director of Public Relations*
Professor of Music
Institute of Musical Art; B.S., Juilliard School of Music; M.A., Columbia University; Ed.D., Columbia University

DOROTHY D. BAILEY (1958) *Professor of English*
B.A., Our Lady of the Lake College; M.A., University of Texas; Ph.D., University of Wisconsin

MICHAEL F. BANNON (1955) *Professor of Education*
B.A., State College, Troy, Alabama; M.A., Teachers College, Columbia University; Ed.D., Peabody College

ROBERT KERIN BARON (1961) *Instructor of English*
B.A., Temple University; M.A., Temple University

EDWARD A. BARROW (1956) *Assistant Professor of Music*
B.M., M.M., Eastman School of Music, University of Rochester

MRS. ELIZABETH B. BEATTY (1960) *Instructor of Music*
B.M., University of Michigan

HAROLD W. BENDA (1956) *Chairman of Education Department*
Professor of Education
B.A., Iowa State College; M.A., University of Iowa; Ed.D., New York University

WILLIAM R. BENNER (1938) *Assistant Professor of Social Studies*
B.S., West Chester State College; M.A., Temple University

GERTRUDE W. BERNARD (1957) *Associate Professor of Music*
Supervisor of Student Teaching
B.F.A., Carnegie Institute of Technology; M.Ed., Pennsylvania State University; Juilliard School of Music

BERNICE H. BERNATZ (1954) *Assistant Dean of Women*
Associate Professor of Mathematics
B.A., Iowa State Teachers College; M.A., University of Michigan

THOMAS E. BERRY (1946) *Professor of English*
Acting Director of Graduate Studies
A.B., A.M., University of Pennsylvania; Ph.D., University of Pittsburgh

JAMES A. BINNEY (1947) *Professor of English*
Clarion State College; B.A., Pennsylvania State University; M.A., Ph.D., University of Pittsburgh

LLOYD W. BLACK, JR. (1960) *Assistant Professor of Health and Physical Education*
B.S., M.S., Temple University

MARY M. BLISS (1952) *Assistant Professor of Science*
B.A., Swarthmore College; M.S., Temple University

JAMES B. BONDER (1946) *Professor of Education*
B.A., LaSalle University; M.A., Villanova University; Ed.D., Temple University

KENNETH BRADDOCK-ROGERS (1938) *Professor of Science*
B.S., Haverford College; M.S., Ph.D., University of Pennsylvania

WILLIAM J. BRUEHL (1960) *Assistant Professor of English*
B.S., West Chester State College; M.A., University of Pennsylvania; Hofstra College

PAUL E. CARSON (1946) *Associate Professor of Music*
B.S., Central Missouri State College; M.F.A., Carnegie Institute of Technology

ROBERT CARL (1946) *Assistant Professor of Music*
B.S., Johns Hopkins University; B.Mus., M. Mus., Peabody Conservatory

M. JANE CATON (1954) *Dean of Women*
B.S., Indiana State Teachers College, Terre Haute, Indiana; M.S., Ohio University

FRANK T. CHEESMAN (1947) *Professor of Music*
Conservatory of Music, Toronto, Canada; B.Mus., M.Mus., Northwestern University; Ed.D., Columbia University

ALTON J. CHILDERS (1953) *Associate Professor of Education*
Principal Demonstration School
A.B., Glenville State Teachers College; M.A., West Virginia University

JOHN W. CLOKEY (1946) *Associate Professor of English*
B.S., West Chester State College; M.Ed., Temple University

BARBARA JANE COATES (1954) *Assistant Professor of Health and Physical Education*
B.S., Lock Haven State College; M.A., Allegheny College

NORMAN A. COCHRAN (1956) *Associate Professor of Health and Physical Education*
B.S., West Chester State College; M.A., University of Maryland

FAYE A. COLLICOTT (1929) *Associate Professor*
Assistant Librarian
B.A., Simpson College; B.S. in Library Science, M.A., Columbia University

GERALDINE CONBEER (1946) *Associate Professor*
Assistant Librarian
B.S., Millersville State College; M.Ed., University of Pittsburgh; B.S. in Library Science, Drexel Institute of Technology

EDWIN B. COTTRELL (1955) *Professor of Health and Physical Education*
Supervisor of Student Teaching
B.S., Slippery Rock State College; M.Ed., University of Pittsburgh; Ed.D., Pennsylvania State University

MILDRED L. COTTRELL (1956)
Instructor of Health and Physical Education
B.S., Slippery Rock State College

ALVIN B. DAVIS (1948)
Associate Professor of Health and Physical Education
B.S., Panzer College; M.A., Montclair State College, New Jersey

CHARLES P. EMERY (1957) *Assistant Professor of Education*
Supervisor of Student Teaching
B.S., West Chester State College; M.S., University of Pennsylvania

MARK M. EVANS (1947) *Professor of Education*
Acting Director of Student Teaching and Placement
B.Ph., Dickinson College; M.Ed., Ph.D., University of Pittsburgh

EDWARD G. EVERETT (1954) *Professor of Social Studies*
B.S., Indiana State College; M.A., Ph.D., University of Pittsburgh

KATHERINE W. FAUCETT (1956) *Assistant Professor of English*
B.A., Washington College; M.A., University of Pennsylvania

ALBERT E. FILANO (1956) *Professor of Mathematics*
Chairman of Mathematics Department
B.S., M.S., University of Pennsylvania; Ph.D., Pennsylvania State University

BARBARA FINEGAN (1960) *Assistant Librarian*
Assistant Professor
B.S., Immaculata College; M.S., Temple University

ELIZABETH FORSYTHE FITZGERALD (1959) *Instructor of Science*
B.A., Wilson College

BYRON Y. FLECK (1953) *Chairman of Social Studies Department*
Professor of Social Studies
B.A., Franklin and Marshall College; M.A., Ph.D., University of Iowa

ARNOLD FLETCHER (1946)
Staff Assistant to the Dean of Academic Affairs
Professor of Music
B.S., M.Ed., Temple University; Ed.D., University of Pennsylvania

FRANK B. FORD (1960) *Assistant Professor of English*
B.A., University of Connecticut; M.A., University of Connecticut

HOWARD FREEMAN (1961) *Associate Professor of Education*
B.S., Millersville State College; M.A., University of Wyoming; University of Pennsylvania; Columbia University

ALBERT GALLEN (1961) *Professor of Education*
B.S., M.S., Ed.D., Temple University

CHARLES D. GANGEMI (1961) *Assistant Professor of Music*
B. Mus., University of Pennsylvania; M.A., University of Pennsylvania

IRVING ROBERT GESCHWINDT (1959)
Assistant Professor of Mathematics
B.S., Pennsylvania State University; M.Ed., University of Delaware

LOUISE GIUNTA (1961) *Instructor of Health and Physical Education*
B.S., West Chester State College; Temple University

HENRY E. GOODWIN (1961) *Assistant Professor of Health and Physical Education*
B.S., Lock Haven State College; M.S., Pennsylvania State University

ROBERT B. GORDON (1938) *Chairman of the Science Department*
Professor of Science
B.Sc., M.Sc., Ph.D., Ohio State University

MIRIAM S. GOTTLIEB (1946) *Associate Professor of Music*
Juilliard School of Music; B.A., University of Denver; M.A., Columbia University

THELMA J. GREENWOOD (1927) *Assistant Professor of Science*
West Chester State College; B.S., University of Pennsylvania; M.A., New York University

CATHERINE ESTHER GREGG (1954) *Professor of Education*
A.B., Oberlin College; M.A., Western Reserve University; Ph.D., Columbia University

JOHN W. GUTSCHER (1946) *Associate Professor of Music*
B.S., Juilliard School of Music; M.A., Columbia University; Leipzig Conservatory; New York College of Music

ETHEL GLADYS HAAS (1953) *Associate Professor of Education*
B.S., Plattsburg State Teachers College; M.Ed., University of Maryland

RAY K. HACKER (1957) *Assistant Librarian*
Assistant Professor
B.S., Kutztown State College; M.A.L.S., University of Michigan

JOSEPH K. HALL (1953) *Head Librarian*
Associate Professor
A.B., University of Kentucky; B.S. in Library Science, Columbia University; M.A., Villanova University

H. THEODORE HALLMAN (1950) *Chairman of the Art Department*
Associate Professor of Art
Philadelphia Museum School of Fine Art; B.F.A., B.S.Ed., M.F.A., Temple University; Tyler School of Fine Arts

CLIFFORD H. HARDING (1953) *Professor of Social Studies*
A.B., Nebraska State College; M.A., State University of Iowa; Ph.D., New York University

JAMES D. HARDY (1961) *Substitute Teacher of Social Studies*
A.B., Cornell University; A.M., University of Pennsylvania

ARTHUR S. HAWTHORNE (1949) *Associate Professor of Geography*
B.S., California State College; M.A., University of Pittsburgh

WILLIAM H. HENRY, JR. (1959) *Associate Professor of English*
A.B., University of Pennsylvania; Ed.M., A.M., Temple University

ROBERT W. HERRES (1961) *Associate Professor of Education*
B.S., Oswego State Teachers College; M.A., Syracuse University; Columbia University; New York University; University of Virginia

JULIUS M. HILL (1955) *Professor of Education*
B.S., Northern Michigan College of Education; M.A., Ph.D., University of Michigan

WILLIAM L. HIRES (1960) *Associate Professor of Education*
B.S., Haverford College; M.S., University of Pennsylvania

ANTHONY B. HOPKINS (1961) *Assistant Professor of Health and Physical Education*
B.S., Springfield College, Springfield, Mass.; M.Ed., M.S., Springfield College

ELIZABETH ILGENFRITZ (1959) *Demonstration School*
Assistant Professor of Education
B.S., West Chester State College; M.Ed., University of Pennsylvania

FLORENCE B. INGHRAM (1960) *Assistant Dean of Women*
Assistant Professor
B.A., State University of Iowa; M.A., Columbia University Teachers College; Claremont Graduate College

HELEN T. IVINS (1946) *Assistant Professor of Social Studies*
B.S., West Chester State College; M.S., Pennsylvania State University

CONSTANTINE JOHNS (1954) *Professor of Music*
B.S., Southeast Missouri State Teachers College; M.A., Ed.D., Teachers College; Columbia University

ARTHUR E. JONES (1936) *Professor of Music*
B.S. Mus., M.A., Ph.D., New York University

HARRY GARDNER JONES (1960) *Assistant Professor of Science*
B.S., Millersville State College; M.S., University of Pennsylvania

ALVIN S. KEINARD (1948) *Chairman of the Geography Department*
Professor of Geography
B.A., Juniata College; M.Ed., Ed.D., Pennsylvania State University

ANNE SIMON KELLY (1953) *Instructor of Music*
Academy of Vocal Arts, Philadelphia, Pa.

DONALD H. KERCHNER (1959) *Assistant Librarian*
Assistant Professor
B.S., Kutztown State College; M.S., in Library Science, Syracuse University

W. GLENN KILLINGER (1934) *Dean of Men*
B.S., Pennsylvania State University; M.A., Columbia University; Sc. D., Gettysburg College

CHARLOTTE E. KING (1955) *Associate Professor of Education*
B.S. in Ed., Ed.M., Temple University

FRITZ K. KRUEGER (1961) *Instructor of Music*
A.B., Midland College, Fremont, Nebraska; B.S. Ed., B. Mus., Whittenberg University; B. Mus., Curtis Institute of Music

CARRIE C. KULP (1958) *Demonstration School*
Assistant Professor of Education
B.A., Whcaton College; M.Ed., University of Delaware

WILLIAM LANDRUM (1953) *Associate Professor of English*
B.A., Virginia Military Institute; M.A., Temple University

GEORGE LANGDON (1956) *Professor of Geography*
B.S., M.S., Pennsylvania State University; Ph.D., Clark University

MURIEL LEACH (1930) *Assistant Professor of Health and Physical Education*
Sargent School; B.S., M.A., Columbia University

ANNE C. LEUIKEN (1958) *Demonstration School*
Assistant Professor of Education
A.B., Wilson College; M.Ed., Temple University

ELIZABETH P. LEWIS (1959) *Associate Professor of English and Latin*
A.A., Stephens College, Missouri; B.S., M.A., University of Missouri

MELVIN M. LORBACK (1957) *Associate Professor of Health and Physical Education*
B.S., State University Teachers College, Brockport, New York; M. S., Pennsylvania State University

JAMES M. McDONNELL (1953) *Assistant Professor of Science*
A.B., M.A., Temple University

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B.A., Westminster College; M.A., University of Michigan

ROBERT D. McKINNEY (1952) *Associate Professor of Art*
B.S., Edinboro State College; M.Ed., Pennsylvania State University

MARY M. MANEVAL (1956) *Professor of Social Studies*
B.A., Pennsylvania State University; M.A., Ph.D., University of Michigan

KATHERINE A. MARGERUM (1959)
Assistant Professor of Health and Physical Education
B.S., West Chester State College; M.Ed., Temple University

ROBERT ALLEN MARKOFF (1960) *Substitute Instructor of Social Studies*
B.A., M.A., Temple University

EDNA DOWLAND MARTIN (1953) *Supervisor of Student Teaching*
Associate Professor of Education
B.S., M.A., Teachers College, Columbia University

LUCILE MEREDITH (1931) *Associate Professor of Education*
Demonstration School
B.A., Women's College of the University of North Carolina; M.A.. Columbia University

EMIL H. MESSIKOMER (1946) *Director, Undergraduate Program*
Associate Professor
B.S., West Chester State College; M.A., Columbia University

CHARLES MICKEN (1959) *Professor of Education*
Supervisor of Student Teaching
B.S., Millersville State College, M.S., Ed.D., University of Pennsylvania

S. POWELL MIDDLETON (1935) *Assistant Professor of Music*
B.S., West Chester State College; M.A., Duquesne University

JOSEPH B. MILLER (1959) *Assistant Professor of Health and Physical Education*
B.S., University of Delaware; M.S., New York University

FRANCIS EDWARD MILLIMAN (1960)
Associate Professor of Mathematics
Hobart College, Geneva, New York; B.N.S., Holy Cross College; A.B., Hobart College, Geneva, New York; A.M., Columbia University

LLOYD C. MITCHELL (1936) *Chairman of the Music Department*
Professor of Music
Morningside College, Sioux City, Iowa; B. Mus., M. Mus., Peabody Conservatory of Music; Ed.D., Pennsylvania State University

ROBERT M. MITTEN (1953) *Assistant Dean of Men*
Assistant Professor of Health and Physical Education
A.B., A.M., University of North Carolina

CLIFTON E. MORGAN (1956) *Assistant Professor of Social Studies*
B.S., East Stroudsburg State College; M.A., Rutgers University

PATRICIA NESLEY (1960) *Assistant Professor of Health and Physical Education*
B.S., West Chester State College; M.Ed., Lehigh University

EDWARD NORRIS (1958) *Associate Professor of Health and Physical Education*
B.S., West Chester State College; M.S., in Physical Therapy, Medical College of Virginia

JACK A. OWENS (1956) *Dean of Student Affairs*
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B.A., Concord College; M.S., West Virginia University; Ed.D., Pennsylvania State University

CHARLES W. PATTERSON (1946) *Associate Professor of Education*
B. S., Shippensburg State College; M.Ed., Duke University

NATALIA I. PAZUNIAK (1961) *Associate Professor of Languages*
B.A., University of Munich; M.A., Ph.D., University of Pennsylvania

FREDERICK C. PFLIEGER (1960) *Assistant Professor of Music*
Supervisor of Student Teaching
B.S., West Chester State College; M.Mus., University of West Virginia; Eastman School of Music

DOROTHY RAMSEY (1928) *Assistant Professor of English*
B.A., A.M., University of Pennsylvania

N. RUTH REED (1953) *Associate Professor of Health and Physical Education*
B.S., East Stroudsburg State College; M.Ed., Pennsylvania State University

ROBERT W. REESE (1951) *Director of Athletics*
Assistant Professor of Health and Physical Education
B.S., East Stroudsburg State College; M.S., University of Pennsylvania

RUSSELL K. RICKERT (1956) *Associate Professor of Science*
B.S., West Chester State College; M.S., University of Delaware

FRANCES W. RING (1960) *Assistant Professor of Art*
B.S., Columbia University; M.A., Parsons School of Fine and Applied Art

ALFRED D. ROBERTS (1959) *Professor of Modern Foreign Languages*
B.A., Ursinus College; M.A., Ph.D., University of Pennsylvania

B. PAUL ROSS (1946) *Director of Admissions*
Professor of Education
Clarion State College; B.S., M.S., Ed.D., Pennsylvania State University

ANNE M. SCHAUB (1929) *Assistant Professor of Health and Physical Education*
Supervisor of Student Teaching
B.S., M.A., Columbia University

DORIS SCHOEL (1960) *Instructor of Nursing*
R.N., Bryn Mawr Hospital, School of Nursing; B.S., Villanova University; M.S., University of Pennsylvania

HAROLD SHAFFER (1952) *Associate Professor of Social Studies*
A.B., Susquehanna University; Litt.M., University of Pittsburgh

JANE SHEPPARD (1953) *Associate Professor of Music*
B.M., Westminster College; Juilliard School of Music; M.A., in music, Columbia University

MARGARET W. SHIVERS (1959) *Associate Professor of Science and Mathematics*
B.A., M.A., Duke University

IRENE G. SHUR (1956) *Assistant Professor of Social Studies*
B.S., Ohio State University; M.Ed., University of Delaware

CAROLYN SIMMENDINGER (1958) *Assistant Professor of Art*
B.S., Kutztown State College; M.F.A., Temple University

WILLIAM C. SKILLEN (1946) *Assistant Professor of Science*
B.S., Temple University; M.S., University of Pennsylvania

KENNETH C. SLAGLE (1938) *Chairman of English and Foreign Language Department*
Professor of English and Foreign Languages
B.A., Mount Union College; A.M., Ph.D., University of Pennsylvania

ANNE L. SMITH (1928) *Demonstration School*
Associate Professor of Education
B.A., Galloway College; M.A., Northwestern University

JANE GRAY SMITH (1955) *Assistant Librarian*
Associate Professor
B.S., Millersville State College; M.Ed., Pennsylvania State University; M.L.S., School of Library Science, Columbia University

SERITA P. SPADONI (1960) *Instructor of Spanish*
B.S., West Chester State College; University of Pennsylvania; University of Madrid; University of Valencia

CHARLES A. SPRENKLE (1955) *Assistant Professor of Music*
B.M., M.M., Peabody Conservatory of Music; B.S., Johns Hopkins University

RUTH S. STANLEY (1955) *Assistant Professor of Mathematics*
B.S., M.A., University of Oklahoma

RICHARD L. STRAYER (1956) *Assistant Professor of Education*
B.S., West Chester State College; M.Ed., University of Delaware

RICHARD G. STUDENMUND (1956) *Associate Professor of Education*
Supervisor of Student Teaching
B.S., Shippensburg State College; M.Ed., Temple University

RUSSELL L. STURZEBECKER (1946) *Chairman of the Health and Physical Education Department*
Professor of Health and Physical Education
Supervisor of Student Teaching
B.S., West Chester State College; M.Ed., Ed.D., Temple University

ROY D. SWEET (1953) *Associate Professor of Music*
B.S., Fredonia College; M.M., Eastman School of Music

EARL F. SYKES (1938) *Dean of Academic Affairs*
Professor
B.A., M.A., Montana University; Ed.D., Columbia University

WILLIAM A. TALLEY (1959) *Demonstration School*
Assistant Professor of Education
B.S., West Chester State College; Ed.M., Harvard University

ELINOR Z. TAYLOR (1955) *Assistant Professor of Health and Physical Education*
B.S., West Chester State College; M.Ed., Temple University

POWELL S. THOMAS (1946) *Associate Professor of English*
B.A., Gettysburg College; A.M., University of Pennsylvania

ELLA M. TRAVIS (1954) *Professor of Mathematics*
A.B., West Virginia University; M.Ed., Ph.D., University of Pittsburgh

WILLARD J. TREZISE (1938) *Professor of Science*
B.S., Lebanon Valley College; M.S., Ph.D., Johns Hopkins University

EDWARD T. TWARDOWSKI (1951) *Associate Professor of Health and Physical Education*
B.S., West Chester State College; M.S., University of Pennsylvania

S. ELIZABETH TYSON (1922) *Assistant Professor of English*
West Chester State College; B.S., M.A., New York University

WILLIAM F. VOLLBRECHT (1938) *Professor of Social Studies*
B.A., B.S., Northwestern University; M.A., Columbia University; Ph.D., University of Pennsylvania

RICHARD P. WEAGLEY (1954) *Professor of Education*
B.S., Lebanon Valley College; M.Ed., D.Ed., Pennsylvania State University

W. BENJAMIN WHITTEN (1959) *Assistant Professor of Music*
B.M., M.M., Peabody Conservatory; College of Music, Johns Hopkins University

HARRY WILKINSON (1948) *Professor of Music*
B.S., M.Ed., Temple University; Eastman School of Music; Ph.D., University of Rochester

LLOYD C. WILKINSON (1960) *Assistant Professor of Health and Physical Education*
B.S., West Chester State College; M.A., University of Miami; University of Villanova

LOIS M. WILLIAMS (1955) *Assistant Professor of Music*
B.Mus., Western Michigan College of Education; Hochschule fur Musik, Cologne, Germany; M.A., Teachers College, Columbia University

WILLIAM B. WILLIAMSON (1960) *Assistant Professor of Social Studies*
B.S., M.Ed., Temple University; S.T.B., Temple University, School of Theology; S.T.M., Lutheran Theological Seminary; M.A., in Internal Relations, Lehigh University

DORA F. WOLFANGLE (1929) *Demonstration School Associate Professor of Education*
West Chester State College; B.S., M.A., Columbia University

MILTON C. WOODLEN (1952) *Professor of Education*
B.S., Ed.M., Ed.D., Temple University

JAMES J. WRIGHT (1945) *Professor of Music*
B.S., West Chester State College; M.Ed., Temple University; Ph.D., Eastman School of Music

DOROTHY YANISCH (1947) *Associate Professor of Health and Physical Education*
B.S., West Chester State College; M.Ed., Temple University

EDWIN LaMONTE YOUMANS (1960) *Professor of Health and Physical Education*
B.A., Iowa State Teachers College; M.A., Ph.D., University of Iowa

BUSINESS OFFICE STAFF

EVERETT E. SHAEFER ..... Business Manager
ROBERT T. CRAUDER ..... Assistant Business Manager
ELIZABETH C. GRIFFITH ..... Principal Clerk
SARA Y. HYATT ..... Accountant
HELEN D. PATTON ..... Bookkeeping Clerk
HANNAHBELLE T. MORRISON ..... Senior Clerk
EMILY HAINES ..... Clerk
ELIZABETH LACY ..... Clerk
SHIRLEY PERDUE ..... Clerk
EDNA M. VEIT ..... Clerk
NANCY J. WATSON ..... Clerk
ALICE C. CASNER ..... Clerk

HEALTH SERVICE STAFF

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ESTHER EVES, R.N. ..... Nurse
MARIE W. FUTER, R.N. ..... Nurse

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WILLIAM A. PEOPLES ..... Assistant to the Superintendent of Buildings and Grounds
AGNES SPEAKMAN ..... Housekeeper
BEATRICE F. CONNELL ..... Postmistress
MADELEINE RODEBAUGH ..... Assistant to the Postmistress

MABEL BARRETT ..... Receiving Clerk
ELMA S. PIERCE ..... Telephone Operator
ANNABELLE H. McCORMICK ..... Telephone Operator
LYNN M. SCHMIDT ..... Telephone Operator
DOROTHY P. SMITH ..... Dormitory Supervisor
JULIA M. WIENANDT ..... Dormitory Supervisor
ETHEL R. OTTO ..... Dormitory Supervisor
MIRIAM KLINE ..... Dormitory Supervisor
EVA LICARY ..... Dormitory Supervisor

LIBRARY STAFF

JOSEPH K. HALL ..... Head Librarian
FAYE A. COLLICOTT ..... Librarian
GERALDINE CONBEER ..... Librarian
JANE G. SMITH ..... Librarian
RAY K. HACKER ..... Librarian
DONALD H. KERCHNER ..... Librarian
BARBARA C. FINEGAN ..... Librarian
MARIAN HALL ..... Library Assistant
MARIE B. DAY ..... Clerk
JANET E. DEAN ..... Clerk

AUDIO-VISUAL SERVICE STAFF

RICHARD P. WEAGLEY ..... Director of Audio Visual Services
RICHARD L. STRAYER ..... Assistant to the Director of Audio Visual Services
BESSIE H. GRUBB ..... Film Exhibits Technician

IBM AND DUPLICATING SERVICE STAFF

ROBERT L. MAHAN ..... Operator
JANE M. SUPPLEE ..... Operator
PATRICIA A. LORBACK ..... Operator

SECRETARIAL STAFF

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Secretary ..... JULIA D. OAT
Receptionist and Assistant Secretary to the President ..... RUTH C. STROUD

Academic Affairs

Dean of Academic Affairs Office ..... EDITHANNE H. DUDLEY
Undergraduate Office ..... MARY ANN W. KOMAR
PHYLLIS D. BLEVIN
Graduate Office ..... PATRICIA ACETO
Admissions Office ..... ELIZABETH H. COMPTON
AUDREY D. GREGG
Registrar's Office ..... HELEN E. SHIPPEE
Francis Harvey Green Library Office ..... JANE F. MULLISON
Demonstration School Office ..... MABEL CALLOWAY
Student Teaching and Placement Office ..... MYRTLE GOOD
JEAN M. IZZI
Art-Geography-Mathematics-Social Studies Departments
ELIZABETH D. ARTERS
Education-Science Departments ..... FRANCES L. EHRIG
English Department (and Student Affairs) ..... JOYCE UNDERWOOD
Health Education Department ..... L. MELBA THOMAS
Music Education Department ..... CATHERINE SORENSEN

STUDENT AFFAIRS

Dean of Student Affairs Office ..... BEVERLY N. LENNON
JOYCE UNDERWOOD
Dean of Women's Office ..... ELIZABETH JORDAN
Dean of Men's Office ..... NANCY T. MARINO
Student Activities Association Office ..... CATHERINE E. FINEGAN
MARY S. PHILLIPS
Director of Athletics Office ..... SARAH HOFFMAN

Administrative Affairs

Director of Administrative Affairs Office ..... SHIRLEY JOYCE
Business Manager's Office ..... EMILY C. HAINES
Superintendent, Buildings and Grounds ..... CONSTANCE OLIN
MARY ANN CHAMPION

PUBLIC RELATIONS AND COLLEGE PUBLICATIONS

Director of Public Relations Office ..... MARIE W. SWANN

COOPERATING TEACHERS

Elementary Education

WEST CHESTER

BIDDLE STREET SCHOOL

Altrichter, Millie
Au, Mary
Bishop, Ethel
Broomall, Elizabeth
Burns, Jean
Clokey, Jessie
Esworthy, Sara
Housel, Lenore
Keim, Edna
Kinsey, Mary
Maxwell, Zelma
Melton, Mary
Meredith, Margaret
Redman, David
Spann, Alice
Towles, Sara

GAY STREET SCHOOL

Bannon, Frances
Eavenson, Sarabell
Frey, Beatrice
Goulet, Genevieve
Hayden, Eleanor
Kelly, Mary
Robins, Anne
Wheeler, Ethel

WEST GOSHEN

Evans, Vera
Highley, Anne
Thomas, Margaret
Woodward, Laura

WESTTOWN-THORNBURY

Barbour, Tom
Darlington, Mary
Garrity, James
Kent, Lillian
McFarland, Harriet
Marrone, June
Massey, Edna

MARPLE NEWTOWN

Contestable, Jennie
Febo, Marie
Hutzel, Mary
McCauley, John

MARPLE SCHOOL

Britton, Marie
Chalick, Shirley
Komarnicki, Barbara
Lyshon, Helen
McIntoish, Elizabeth

RUSSELL SCHOOL

Estis, Dorothy
Lapinsky, Viola
Pregman, Vera
Tracey, Julia

CULBERTSON SCHOOL

Chidester, Elizabeth
Plank, John

WEST GOSHEN

FERN HILL

Atwell, Lena
Darlington, Emma
Gilbert, Lorraine
Jordan, Velma
Morgan, David
Regester, Eleanor

WEST CHESTER
HIGH STREET

Binney, Edith
Boyle, Orphia
Carson, Dorothy
Craney, Ellen
Keithley, Mildred
McCowan, Florence
Muth, Estella
Pyle, Dorothy
Robertson, Phyllis
Scott, Jane
Snyder, Helen
Wadzinski, Ann
Zale, Ruth

WILLISTOWN

Basehore, Fred
Cox, Sue
Kane, Ruth
Kurtz, Margaret
Moffett, Marjorie
Quillen, Ethel
Reese, Wanda
Werkiser, James

Secondary Education

WEST CHESTER

Althouse, Margaret
Anderson, Erroll
Baker, Anna
Carroll, Harry
Corkadel, Roy
Daley, Francis
Ford, Barbara
Freeman, Robert
Gambone, Kenneth
Gearhart, Aldine
Kern, Joseph
Knighton, Walter
Landis, Milton
Lewis, Keitha
McClellan, Jack
Nicholas, John
Nunan, Desmond
Pearl, Herbert
Perrone, Charles
Reigle, Robert
Rewucky, Christine
Stahl, John
Sweet, Arlene
Temple, Sara
Trapnell, Edyth
Urich, Russell
VonStetton, Glen
Wells, Hibbert
Wood, Wilmer
Zeiders, Charles

DOWNINGTOWN

Aumiller, Sara
Bycosky, John
Caskey, Howard
Campbell, Edward
Costello, Mary
Fry, James
Ratcliff, Clifford
Remetz, Michael
Tremul, Joseph
Wentzel, Harold

ROSE TREE UNION

Cole, Bernice
Cross, Leo
DiSalvi, Daniel
Donaldson, Helen
Jackson, Jane
Leiblong, Karl
Patrick, Milo
Pinnie, Anthony
Schwalbe, Paul
Simon, Robert
Udovich, Walter
Wolfe, Constance
Woyurka, John

PHILIPS MEMORIAL LIBRARY

NETHER PROVIDENCE
Canamucio, Joseph
Jackson, Lionel
Junkins, Laura
Kline, Gilbert
Miller, Harry
Narcum, Edward
Renzulli, Vincent
Walters, Thomas
Werner, Thomas

Music Education

WEST CHESTER
Buchanan, Bertha
Dillman, Charlotte
Shaffer, Ruth
Sepella, John

WEST GOSHEN
Ginter, Lillian

WESTTOWN-THORNBURY
Moreno, Jean

TREDYFFRIN-EASTTOWN
Culp, Carmen
Hoehler, Mary
Kurz, Wennie

ROSETREE
Crooks, Elizabeth
Jacobson, Irving

KENNETT SQUARE
Canfield, Patrick
Ott, Ray

Women's Health and Physical Education

HAVERFORD JR. HIGH
Green, Kathryn

HAVERFORD SR. HIGH
David, Ethel

LANSDOWNE-ALDAN
Abrams, Doris
Hoffman, Edna

CONESTOGA
Mason, Elizabeth

RADNOR
Encke, Ethel

WEST CHESTER
Jenny, Caroline
Wilson, Betty

SWARTHMORE
Boughner, Diane

RIDLEY PARK
Bassoe, Sigrun

SPRINGFIELD
Brusch, Jane

NETHER PROVIDENCE
Fehr, Nancy

MARPLE-NEWTOWN
Reynolds, Marilyn

PENNCREST
Zercher, Marge

Men's Health and Physical Education

CHESTER
Blazinski, Earl
Brewster, Jesse
Boyer, Howard
Forwood, Robert

CHICHESTER
Kalickman, Milton
Nugent, Bob

CONESTOGA
Sheppard, Douglas

DOWNINGTOWN
DeSerefino, Raymond

EDDYSTONE
Bassett, William

HAVERFORD TWP. JR. H.
Edelman, Ray
Price, Howard

HAVERFORD TWP. SR. H.
Juenger, Steve
Keyser, Ted

KENNETT SQUARE
Holcroft, Edward
Paynter, Charles

LANSDOWNE-ALDAN
Emberger, Robert
Hughes, Wayne
Miller, Lance

WELSH VALLEY
LOWER MERION
Balentine, Robert

MARPLE NEWTOWN
Pittman, Robert
Richute, William

NETHER PROVIDENCE
Haupt, Chester
Wright, Robert

OCTORARO
Minch, Matthew
Minch, Matthew, Jr.

PENNCREST
Kaufman, William
Waslick, Robert

RADNOR JR. HIGH
Metoxen, Emerson

RADNOR SR. HIGH
Lentz, Warren

RIDLEY PARK
Wilson, John

RIDLEY TWP. JR. H.
DiFranks, Nicholas
O'Donnell, John

RIDLEY TWP. SR. H.
Adams, Bob
Wynne, Hugh

SPRINGFIELD JR. H.
Shoemaker, Richard

SPRINGFIELD SR. H.
Bell, Harry
Schopf, Wilbur

SPRINGFORD
McNelly, Robert

SWARTHMORE
Reese, William
Robinson, Millard

CHADDS FORD
UNIONVILLE
Reynolds, J. Lewis

UPPER DARBY
Herzog, Herbert
Jackson, Albert
Leonard, Charles
Thompson, Carson

WEST CHESTER
Haupt, Elmer
Malikowski, Ed

General Information

CORRESPONDENCE AND COMMUNICATIONS

Listed below are the offices to which inquiries should be directed. In each case, the post office address is: West Chester State College, West Chester, Pa.; telephone: OWen 6-7800.

Dean of Academic Affairs—

- Certification requirements for teaching
- Courses and curricula
- Graduation requirements
- Selective Service information
- Veterans' affairs

Director of Admissions—

- Applications and Admissions to the Undergraduate program
- Catalogues and other publications

Business Manager—

- Deferred Payments
- Fees and Expenses
- Refunds on Accounts

Dean of Student Affairs—

- Scholarships and loans
- Work opportunities for students

Director of Student Teaching and Placement—

- Placement Service

Director of Graduate Studies—

- Application and Admissions to the Graduate Program
- Graduate School Catalogue

Registrar—

- Transcripts of college credits

THE ACADEMIC YEAR

1961 - 1962

THE FALL SEMESTER

Last day for transfers and readmissions to qualify for admission to the fall semester	Tuesday, August 15
Last day for new freshmen to qualify for admission to the fall semester	Wednesday, August 30
Faculty and Department Meetings	Tuesday, September 5
Registration: Freshmen 8:30-4:30	Wednesday, September 6
Sophomores 8:30-11:30	Thursday, September 7
Seniors 1:30-4:30	Thursday, September 7
Juniors 8:30-11:30	Friday, September 8
Graduate 8:30-11:30	Saturday, September 9
Classes begin at 8:00 a. m.	Monday, September 11
Thanksgiving Recess begins at close of classes	Tuesday, November 21
Thanksgiving Recess ends at 8:00 a.m.	Monday, November 27
Christmas Recess begins at noon	Saturday, December 16
Christmas Recess ends at 8:00 a. m.	Wednesday, January 3
Fall Semester ends at close of examinations	Thursday, January 18

THE SPRING SEMESTER

Last day for transfers and readmissions to qualify for admission to the spring semester	Tuesday, January 2
Last day for new freshmen to qualify for admission to the spring semester	Monday, January 15
Registration: Freshmen and Seniors	Monday, January 22
Registration: Sophomores and Juniors	Tuesday, January 23
Classes begin at 8:00 a. m.	Wednesday, January 24
Spring Recess begins at noon	Saturday, March 24
Spring Recess ends at 8:00 a. m.	Monday, April 2
Easter Week-end begins at close of classes	Thursday, April 19
Easter Week-end ends at 8:00 a. m.	Tuesday, April 24
Alumni Day	Saturday, May 26
Commencement	Sunday, May 27

THE ACADEMIC YEAR

1962 - 1963

THE FALL SEMESTER

Faculty and Department Meetings	Wednesday, September 5
Registration: Freshmen and Seniors	Thursday, September 6
Registration: Sophomores and Juniors	Friday, September 7
Classes begin at 8:00 a. m.	Monday, September 10
Thanksgiving Recess begins at close of classes	Tuesday, November 20
Thanksgiving Recess ends at 8:00 a. m.	Monday, November 26
Christmas Recess begins at noon	Saturday, December 15
Christmas Recess ends at 8:00 a. m.	Thursday, January 3
Fall Semester ends at close of examinations	Saturday, January 19

THE SPRING SEMESTER

Registration: Freshmen and Seniors	Monday, January 21
Registration: Sophomores and Juniors	Tuesday, January 22
Classes begin at 8:00 a. m.	Wednesday, January 23
Spring Recess begins at noon	Saturday, March 16
Spring Recess ends at 8:00 a.m.	Monday, March 25
Easter Week-end begins at close of classes	Thursday, April 11
Easter Week-end ends at 8:00 a. m.	Tuesday, April 16
Alumni Day	Saturday, May 25
Commencement	Sunday, May 26

West Chester State College is situated on 193 acres in the rolling hills of Chester County, an area rich in historical interest. Valley Forge Memorial Chapel and Camp Grounds, Brandywine Battlefield, Birmingham Meeting House and the site of the Paoli Massacre are close by. The proximity to Philadelphia enables students to enrich their courses by visits to well known shrines and institutions as Independence Hall, the Betsy Ross House, the Academy of Fine Arts, Fels Planetarium, and the Academy of Music.

The College marks its beginning with the founding of the West Chester Academy in 1812. In 1871 the Academy became the West Chester Normal School devoted to the preparation of teachers. When the State Normal School became the State Teachers College in 1927 the four year program of teacher training was instituted. On January 8th, 1960, the West Chester State Teachers College became the West Chester State College by action of the Pennsylvania State Legislature. Governor David L. Lawrence, on September 25th of the same year, dedicated three new buildings on the campus, a music education building and two dormitories.

In the field of teacher education West Chester offers programs preparing for professional careers in elementary and secondary schools and, in addition, specialized training in the areas of music education and health and physical education. These curricula are all four-year courses leading to the degree of Bachelor of Science in Education as well as a state teaching certificate in the appropriate field.

In accord with the alteration in the name of the College, provision is being made whereby a student may obtain two years of a General Education course, with the option of transferring to another college for pre-professional training in law, dentistry, theology, etc., or continuing in professional teacher preparation. West Chester is instituting courses that will provide special training for teaching children who are either mentally retarded or physically handicapped. The College also offers degree curricula for Public School Nurses and Dental Hygienists, and a Division of Graduate Education.

Among the material treasures of the College are: an original painting of George Washington by Charles Wilson Peale for which Washington gave sittings at Valley Forge during the memorable winter 1777-78; a mahogany grandfather's clock, once the property of Benjamin Franklin; a large collection of letters from the pens of Washington, Lafayette, Greene, Arnold, Wayne, Hamilton, Putman, Sullivan, and Gates, as well as from such literary men as Sidney Lanier and Thomas Buchanan Read; and the autographed book collection of Dr. George Morris Philips to which the English Professional Club is constantly adding.

The West Chester State College is the repository of the mineral collections and the herbarium of the Chester County Cabinet of Natural Science. The herbarium includes plant specimens collected in Chester County

more than a century ago by Dr. William Darlington and his colleague, David Townsend. The library of the Cabinet is also the property of the College and contains many old and now rare books on natural history, which may be consulted upon request to the librarian.

The Darlington Herbarium and the mineral collections of the Cabinet are located in the College Museum on the third floor of Anderson Hall. These have been augmented by archaeological material representing the Stone Age in Europe, the J. Preston Thomas collection of heads and horns from big game animals, as well as the entire collection of mounted birds and bird skins that formerly belonged to B. Harry Warren, M.D., once the State Ornithologist of Pennsylvania and long-time resident of West Chester.

In 1952, the College received from the late William Pyle Philips, as a legacy, copies of the four Folios of Shakespeare's plays, that is, the First, 1623, Second, 1632, two variants of the Third, 1663 and 1664 respectively, and the Fourth, 1685. It also received the nine volume set of Sanderson's "Biographies of the Signers to the Declaration of Independence," with autographs of the Signers set in.

These priceless books were given in memory of Dr. Francis Harvey Green, and they are housed in the Francis Harvey Green Library.

Each of the fourteen State Colleges has been designated a "foreign cultural center" as part of a new world-study program announced by Dr. Charles H. Boehm, Superintendent of Public Instruction. The colleges have been asked to develop special "depositories of information and materials" about particular cultural areas of the world. The object of the program is to make available to all Pennsylvania students, both in school and college, sources of knowledge about foreign culture not generally found in other institutions of the State. French culture, as well as colonial Dutch culture have been assigned to West Chester, and a program of accumulative information and material is presently under way.

BUILDINGS AND GROUNDS

The grounds of the West Chester State College consist of 193 acres located in the southeastern part of West Chester.

The Main Campus

The major buildings of the College are located on the Main Campus, a tract of approximately twenty acres. The number and variety of its magnificent old trees makes West Chester one of the more attractive eastern colleges. Several recent classes have added much to the beauty of the campus with generous gifts of trees and shrubs.

The Reynolds property, adjacent to the Main Campus, was acquired in 1948. It consists of approximately four and one-half acres on which are located a large stone house and a garage.

Farrell Stadium

West of main campus is located Wayne Field and Farrell Stadium, a tract of about 20 acres, which is used for the men's athletic activities. It includes a quarter-mile running track with 220 yards straightaway, tennis courts, and fields for soccer, football, and baseball.

Women's Athletic Field

South of the main campus an extensive tract provides for the athletic activities of the women of the College. On this tract are located nine tennis courts and fields for hockey, soccer, softball, archery, and volley-ball. Every woman student of the College has an opportunity to engage in one or more of these sports.

Philips Memorial Building

This building is a memorial to the late Dr. George Morris Philips, a former principal of the school. It contains an auditorium with a seating capacity of approximately two thousand, executive offices, and recreation rooms for faculty and students. It also houses the well-known Philips autographed book collection in the beautiful library which bears the donor's name.

Main Dormitory

This is a four-story building of green stone which is used as the main women's dormitory. It has a basement equipped with laundry and pressing facilities for students. On each floor are bathrooms with modern toilet accommodations; an elevator makes all floors easily accessible. A comfortable lobby affords opportunity for friendly get-togethers, informal teas, and after-dinner coffees. In addition, there are five smaller social rooms, artistically furnished. The dining room, which is housed in this building accommodates both men and women students.

McCarthy Hall

The new residence hall for women accommodates 250 students. Opened in 1960, it is named McCarthy Hall in honor of Miss Grace Dietrich McCarthy who served as Dean of Women on the campus from 1919-1927. In addition to being the Dean of Women, Miss McCarthy served as the head of the English Department from 1927-1944.

The new dormitory provides comfortable living for women students. There are two students in each of the rooms. In addition to the living quarters for students, there are suitable recreation rooms for women, a sizable laundry and pressing room, and a lounge in which women students may receive guests.

Old Recitation Hall

Freshman Hall, a temporary women's dormitory for a number of years, has been reconverted to its original use as a classroom building.

The College Book Store is located on the ground floor at the north side of Old Recitation Hall and the College Post Office is on the south side on the same floor.

Also on the ground floor is a specially designed laboratory for Descriptive Anatomy, a laboratory for Microbiology and Physiology classes, as well as a Geography Workroom.

Reynolds Hall

The large house located on the former Reynolds property has been completely renovated and now comfortably accommodates approximately twenty women students and a dormitory supervisor.

Wayne Hall

This dormitory, built in 1911, is a three-story stone building, adequately equipped to accommodate 156 resident men students.

Men's New Dormitory

This modern dormitory, which is completely fireproof, houses 302 men students. In addition to tasteful furnishings in each of the rooms, there are three spacious lounges on each floor, as well as considerable recreational area in the basement.

President's Residence, Tanglewood

The home of the President of the College, a former Chester County farmhouse, is located on East Rosedale Avenue.

Anderson Hall

This building was first occupied in 1941. It has special rooms for speech and reading clinics, special up-to-date equipment and laboratories for science departments, large recreation and study rooms for day students, and offices for administrative and faculty personnel. It contains a full complement of well-equipped classrooms.

Francis Harvey Green Library

The college library, built in 1902, was completely remodeled in 1938-1941, and in 1947 was dedicated to Dr. Francis Harvey Green, former head of the English Department. Some of its special features are the reserve section, the curriculum laboratory, the recreational reading room, and conference rooms. In addition to the reference and periodical rooms, there is an attractive juvenile room, used by children from the Demonstration School as well as by college students. Micro-cards, micro-films, records and record players are available in the periodical room.

The library has approximately 70,000 volumes and receives over 400 magazines and newspapers. It also has a valuable collection of rare books on natural history, the four folios of Shakespeare's plays (1623-1685), and the Sanderson "Biographies of the Signers to the Declaration of Independence," with autographs of the Signers.

The staff of the library consists of six trained librarians, one non-professional library assistant, one secretary, and a number of student assistants.

The library is affiliated with the Philadelphia Union Catalogue.

Lessons in the use of the library are given to all entering students.

Swope Hall

The new music education building, Swope Hall, (named in honor of Dr. Charles S. Swope, former President of the College) is located on College Avenue between High and Church Streets. This beautiful building provides excellent facilities for the expansion of the college music program. The recital hall, practice rooms, teaching studios, classrooms, large rehearsal rooms, audio-visual room, lounges and offices in Swope Hall make it possible to centralize all the curricular activities of the Music Department. The recital hall, with a capacity of 500, provides an ideal atmosphere for concerts, recitals, lectures, and rehearsals. This building is sound-proofed and air-conditioned.

Ehinger Gymnasium

The College has complete physical education facilities. These include the gymnasium named for Dr. and Mrs. Clyde E. Ehinger who were for thirty-four years at the head of the Health and Physical Education Department of the College.

Hollinger Field House

A new field house includes an official size swimming pool with a spectator area accommodating 500 persons, an indoor one-tenth mile running track, two regulation basketball courts, a stabilized earth area equipped for track and field events, a baseball cage, a golf driving cage, a recreational sports deck, wrestling room, corrective room, class room, showers, locker and drying rooms, storage, and offices. Seating facilities for over 2500 spectators are provided. It is named in honor of John R. Hollinger, a distinguished alumnus.

Old Gym

The **oldest gymnasium** on campus, built in 1890, serves both as an instructional area and as a student recreation center.

Demonstration School

On the campus is a building which houses a kindergarten and the first six grades of the elementary school. The school population consists of children living outside the local borough, children living in the borough contingent to the building, and children of faculty members. The school provides teaching and learning observations for college classes.

Infirmary

This building houses the student health services and an infirmary. Its equipment is modern and adequate.

Campus Development:

The Probert Report of 1960 served to motivate the Commonwealth Office of Administration to carry out "space requirement surveys" on all the campuses of the fourteen state colleges. These surveys are intended to serve as the foundation for the development of a coordinated, long-range building program for the state college system—each college being allocat-

ed new construction on the basis of assigned future enrollments and space requirements stemming therefrom.

In the case of West Chester, College authorities, working closely with state-appointed architects, have been holding a series of planning meetings to develop a comprehensive campus plan. Tentatively, the plan calls for a campus containing five major areas: an education area; a physical education and recreation area; a general service and dining hall area; a women's dormitory area; and a men's dormitory area. The development program has just passed through its first phase.

To meet estimated needs for the 1961-1970 period, a tentative building schedule divided roughly into four phases has been developed. The Governor's Capital Budget for 1961-1965, dated March 20, 1961, provides for the following building projects:

Phase One

(These are appropriated in the Capital Budget for 1959-61 and should be ready for use by Fall, 1963.)

1. Science building
2. Dining hall and kitchen
3. Two women's dormitories, each to house 440 students

Phase Two

1. Extension of utilities
2. A boiler plant addition
3. Library
4. Men's dormitory to house 440 students
5. Fire tower for Wayne Hall
6. Student community center
7. Maintenance building

Phase Three

1. Men's dormitory
2. Women's dormitory
3. Classroom addition to the Field House
4. Athletic field
5. Administration building
6. Addition to Philips Memorial Building

Phase Four

1. Women's dormitory
2. Laboratory school
3. Men's dormitory

In addition, the College has requested the inclusion of two classroom buildings, each to contain a minimum of 48 rooms. One of these would be needed by phase three.

A new comprehensive campus plan is presently in the process of being formulated, evaluated, and prepared for official acceptance.

THE PURPOSE AND OBJECTIVES OF THE WEST CHESTER STATE COLLEGE

The Normal School Act, approved May 20, 1857, divided the state into twelve districts and gave permission for the establishment of a normal school in each district. The first district was composed of the following counties: Bucks, Chester, Delaware, Montgomery, and Philadelphia. Under the provisions of this act the State Normal School at West Chester, Pennsylvania, was recognized February 22, 1871. The Normal School became a teachers college offering four-year curricula in 1927. The first degrees were granted during the summer of that year.

The School Laws of Pennsylvania, set forth the purposes for creating and maintaining teachers colleges. Sections 2003 and 2009 read as follows:

Section 2003—PURPOSE — The colleges shall be a part of the public school system of the Commonwealth, and their purpose the education and preparation of teachers. The colleges shall provide proper facilities for instruction in the art and science of teaching, for the boarding and lodging of students in residence, and other necessary facilities approved by the Superintendent of Public Instruction.

Section 2009 — VOCATIONAL EDUCATION AND REHABILITATION PROGRAM: The trustees of any State Teachers College with the approval of the Department of Public Instruction and the Governor, may cooperate with municipal, State, Federal, and other agencies in vocational education and rehabilitation programs in the furtherance of the national defense and post-war activities. For such purposes they shall have power to do all things and enter into all agreements necessary to carry out the same . . .

From the date that the Normal School was recognized by the State to the present time, the Normal School and College has held as its objective the preparation of teachers for the public schools. The College now offers four curricula — Elementary, Secondary, Music, and Health and Physical Education. The College offers courses evenings and on Saturdays to accommodate teachers in service.

The State Department of Public Instruction in 1951 approved a program of training for the degree Bachelor of Science in Education for Public School Nurses and for Dental Hygienists. The West Chester State College is cooperating in this program.

The program at the College stresses the complete preparation of teachers. The mental, physical, and spiritual needs of the students are given attention. Extra-curricular activities, lectures, entertainments, and

religious club activities afford each student an opportunity to develop a wholesome personality and to build good character.

From time to time the faculty study the needs of the College in relation to the work of the teacher in the public schools. Curriculum studies are directed both to content of subject matter areas and to the methods to be used in each field. Special committees are appointed to study various problems and to report their findings and recommendations to the faculty. Recently a state-wide study and revision of the curricula in the several State Teachers Colleges was made. These revised curricula were put into operation with the freshman class of 1959. Further studies and adjustments are being continued especially in those areas that lend themselves to integration. In 1960, the name was officially changed from "State Teachers College" to West Chester State College.

"TANGLEWOOD" PRESIDENT'S RESIDENCE

College Community

COLLEGE COMMUNITY ORGANIZATION AND ADMINISTRATION

Based upon the belief that all who share in the advantages of the college community should join in the responsibility of government, a college community has been conceived whereby faculty and students cooperate as fully as possible for the mutual advancement of the college program.

Achievement goals for each college year have been set up as tentative guides for a program of college life, subject to constant modification to meet new trends and needs. These goals cover the areas of administration, instruction, student life and personnel, community and service area relationship, and teacher education.

These goals are achieved through councils and standing committees.

The Academic Affairs Council is an advisory group composed of Departmental Chairmen and administrators. This Council aids the President in formulating and executing the general administrative policies of the institution.

The standing committees represent both faculty interests and faculty-student interests. They include committees on Admission, Personnel and Guidance, Curriculum Study and Revision, Library, Scholarship, Student Life and Activities, Athletics, and Student Teaching and Placement.

Student Government

Students elect a Student Government Association and Councils, which, working with the deans, cooperate in the government of the College.

A Student-Faculty Leadership Group is a functioning unit of the College. This group is made up of students, administrative officials, and faculty members. The students represent the four college classes, the student government association, the day and dormitory councils of the men and women, and major club groups. This group considers those questions and problems that are of vital interest to the student body. Through this group means of communication are kept open so that a two-way flow of opinion and careful thinking may have a true vehicle of expression. It has proved very helpful in providing and establishing good relations among the members of the college community. It is felt that it has great carry over values in real life situations and in future citizenship activities.

All Star Entertainment Program

The annual All-Star Course brings to the campus some of the world's most famous artists in fields of music, drama and dance. Among these have been the Pittsburgh, Detroit, National, Cleveland and Minneapolis Symphony Orchestras, the Robert Shaw Chorale, the Jose Limon Dance Company, the Boston Opera Company, George London, Isaac Stern, Brian Sullivan, the Canadian Players, Carmen Amaya, Jerome Hines, Blanche

Thebom, Nathan Milstein, the Singing Boys of Norway, Roberta Peters, Cesare Siepi and the Wagner Opera Company.

The William Pyle Philips Lecture Foundation brings to the campus lecturers who are leaders in the fields of literature, science and world affairs. Among these have been Madame V. L. Pandit, Arnold Toynbee, Harrison Salisbury, Loren Eiseley, C. H. Lowe, Daniel Schorr, Ashley Montague, Walter Sullivan, Robert Frost and Bennett Cerf.

The college Assemblies, which are held approximately twice each month, provide the students, faculty and citizens of the community with an additional series of cultural and professional programs.

Musical Organizations

In conjunction with the regularly scheduled student and faculty recitals, the College Administration has set up the following well-developed musical organizations which contribute to the wealth of fine music on campus:

1. TWO COLLEGE BANDS: THE CONCERT BAND AND THE MARCHING BAND.
   Membership in these organizations is determined by the student's qualifications regardless of curriculum.

2. THE CRITERIONS.
   The dance band of the College consists of ten or more men, carefully selected, who furnish the music at social functions of the College.

3. THE SYMPHONY ORCHESTRA.
   Membership in this organization is determined by the student's qualifications regardless of curriculum.

4. THE MIXED CHOIR.
   A mixed chorus selected from students in the Music Education Curriculum, meeting twice a week, devoting their efforts towards acquiring a fine technique of choral singing through the preparation of an extensive repertoire for performance.

5. THE WOMEN'S CHORUS.
   All women not in the College Choir, enrolled in the Music Education Curriculum are required to take this course, devoting their efforts primarily towards acquiring the techniques of choral singing.

6. COLLEGE WOMEN'S GLEE CLUB.
   Members are carefully chosen from women of the Elementary, Secondary, and Health Education groups for this club.

7. MEN'S CHORUS.
   Members are selected from the men of the Elementary, Secondary, and Health and Physical Education curricula and joined with the men not in the College Choir for this choral group.

8. THE SINFONIETTA.

The Sinfonietta is a group of about twenty-five outstanding players chosen from the Symphony Orchestra. It was organized to bring before the College and the community compositions written especially for small orchestras.

9. THE MUSIC CLUB AND CHAMBER MUSIC GROUPS.

Membership in these groups is determined by the student's qualifications.

INTERCOLLEGIATE ATHLETICS (MEN)

It has become recognized by educators and public alike that athletics is a part of general education because athletic activities provide situations that are akin to life experiences, and as such, are conducted with the purpose of developing the educational values which grow out of them.

With this in mind, the College Administration has set up an organization for the control of athletics; it has provided facilities, built schedules, and furnished instructors for the purpose of filling these educational needs.

Sports such as football, baseball, basketball, soccer, track, wrestling, swimming, tennis, gymnastics, lacrosse, golf, and cross-country, are conducted for the purpose of providing our young men with activities that not only will prove beneficial to their health but also will give them a training which will be valuable when they are called upon to coach these sports.

It is the policy of the College Administration first, to provide a variety of sports, as indicated above, in order that as many young men as possible may participate in the activities which interest them most and in which they may achieve a high degree of personal skill; second, to provide eligibility rules that are just and sensible, yet will insure good scholarship; third, to provide schedules which are in our college class, yet are in keeping with the traditions and standing of our College; fourth, and finally, to give athletics their rightful place in our educational program of preparing teachers so that they will function properly in the life of the student body, but will not assume an importance out of all proportion to their value.

Accident insurance has been made compulsory by the College Board of Trustees for all students who participate in competitive Athletics.

The West Chester State College is a member of the National Collegiate Athletic Association, the Middle Atlantic States Collegiate Athletic Conference, the National Association of Intercollegiate Athletics, the I.C.4A., and a charter member of the Eastern College Athletic Conference. In addition, West Chester conforms to the eligibility standards set by the Board of Presidents of the Pennsylvania State Colleges.

The athletic program at West Chester provides adequate player and spectator opportunities. Facilities and equipment are of the best. All team coaches are regular members of the faculty.

Men's Intramural Athletics

An athletic program cannot be justified educationally if it is confined to intercollegiate competition alone. There must be provision for all students. The policy of the College Administration is to expand this part of the program for both men and women in order that a variety of activities may be supplied for all of our students. Such sports as touch football, swimming, soccer, tennis, basketball, roller hockey, track, speed ball, soft ball, and volley ball are organized and conducted for the men students.

WOMEN'S ATHLETICS

In the best interests of the women students a program of athletics is provided with an opportunity to participate in a variety of athletic activities including team, individual, and dual sports. Through participation, leadership responsibilities are developed in the planning, organizing, and functioning of these sports as a part of the total college program. All women students are eligible to participate in the intramural program under the direction of the Women's Athletic Association (WAA) and/or the intercollegiate sports which are conducted by the Women's Intercollegiate Athletic Program.

Women's Athletic Association—Intramurals

Intramural athletics for women are conducted by the Women's Athletic Association for the social, physical, and recreational benefits of the women students at the college. The governing council consists of the club officers and sports managers who are elected by the students, and a faculty adviser. Its program provides a range of activities including hockey, volleyball, basketball, tennis, softball, table tennis, lacrosse, and badminton. The basic purpose of the organization is to foster good sportsmanship and to promote and increase participation in intramural sports for women. For the individual participant, an opportunity is provided to develop skills in leisure time activities which may continue after college. Personal satisfaction and enjoyment are the desired outcomes of sport activity.

The WAA belongs to the National Athletic and Recreation Federation of College Women and the Pennsylvania Division of the Athletic and Recreation Federation of College Women.

Women's Intercollegiate Athletic Program

The activities of the WIAP are conducted by the director of the program, the women coaches, and a student advisory council consisting of the managers of the varsity sports. The managers are selected by the coaches. The program includes a variety of team and individual sports, such as hockey, swimming, lacrosse, basketball, tennis, and synchronized swimming. This program provides opportunities for wholesome competition with other college women of comparable skill. Activities are planned in accordance with the highest ideals of good sportsmanship. Students participating develop interest and skill in worthy leisure time activities, further cultural understanding and appreciations through contacts with stu-

dents from other colleges, gain knowledge and experience of coaching procedures and techniques.

The accident insurance referred to under the section entitled "Student Health Service" has been made compulsory by the College Board of Trustees for all students who participate in the WIAP.

The entire women's intercollegiate program is guided by the standards and policies of the Division of Girls and Women's Sports, which is a division of the American Association of Health, Physical Education and Recreation. A basic over-all standard of the above named organization is "The one purpose of sports for girls and women is the good of those who play".

Student Health Service

The College assumes no responsibility for furnishing or paying for medical care to sick or injured students beyond first aid treatment. Qualified physicians and hospital facilities are available in the community of West Chester. Students over 21 and parents or guardians of students under 21 are required to sign a prescribed statement authorizing the College, or its agents, to refer such students to local doctors or hospitals for any and all emergency medical care.

All costs of medical or surgical treatment, including hospitalization, must be borne by the student involved or by parents or guardians. However, a group medical and accident policy approved by the College covering accidents and illnesses on a twelve months basis is available at an annual premium of $25.00.

All students enrolled in the Health and Physical Education Curriculum and those participating in intercollegiate athletics, without exception, are required to carry a minimum accident policy.

Student Accident and Sickness Insurance Plan

All regularly enrolled students at the College are eligible for accident and sickness insurance, on a purely voluntary basis, EXCEPT THAT ALL CANDIDATES FOR INTERCOLLEGIATE ATHLETIC TEAMS ARE REQUIRED TO TAKE OUT ACCIDENT INSURANCE. Students and parents are requested to consider seriously the splendid protection offered by the two policies and the low cost. THE INSURANCE IS IN EFFECT FOR A TWELVE MONTH PERIOD WHETHER THE STUDENT IS ON CAMPUS, TRAVELING, OR AT HOME.

Effective with the opening of the academic year 1959-60, the Board of Trustees adopted the following resolution recommended by the Athletic Committee: "ALL CANDIDATES, MEN AND WOMEN, FOR ATHLETIC TEAMS WHICH MAY MEET OTHER COLLEGES, ARE REQUIRED TO PURCHASE THE FIRST $500 ACCIDENT COVERAGE POLICY WHICH WILL COST $8.35 AND THEN THE STUDENT ACTIVITIES ASSOCIATION WILL PURCHASE A POLICY TO COVER EACH STUDENT FOR AN AMOUNT OF $500 to $5,000. Since Health Education men and women students are required to be candidates for

our intercollegiate athletic teams, IT IS MANDATORY THAT EACH HEALTH EDUCATION STUDENT PURCHASE THE $500 ACCIDENT COVERAGE.

Placement Service

The West Chester State College maintains an active Education Placement Service. The Placement Director has general charge of the service. He is assisted in this work by the heads of the special curricula and by the Committee on Placement composed of the Dean of Academic Affairs and Supervisors of Student Teaching.

Members of school boards, superintendents, supervising principals, and others in need of teachers, are requested to make application to the Placement Director as early as possible. The Placement Service is in position to send out thorough and adequate information concerning each of the graduates of the College. This material is available to any school official who desires the information in connection with an application made by one of our graduates. The information covers scholastic standing, a comprehensive evaluation of the individual's student teaching experience, and general evaluations of personality, character, competency, and professional potentialities by members of the individual's major and minor departments together with a definite statement compiled by the graduate himself.

An active file is maintained in the Placement Office listing teaching positions by curriculum. This file is for West Chester students and graduates only.

Graduates of the West Chester State College are asked to keep in touch with the Placement Director in order that they may be recommended for better positions demanding experience. Graduates are also asked to keep the office informed of vacancies so that these positions, in turn, may be brought to the attention of teachers not placed.

The Pennsylvania Regional Film Library

The College operates a film library service for the schools in the service area surrounding West Chester. The service includes rental of films, film-strips, and projection equipment. All schools and church organizations in Bucks, Chester, Delaware and Montgomery counties are eligible for these services.

The library was established through the State Department of Public Instruction. It maintains some five hundred titles on 16 mm. motion picture film and over twelve hundred titles on filmstrip.

Further information can be had by correspondence with: The Pennsylvania Regional Film Library, West Chester State College, West Chester, Pa.

The Delaware-Chester Regional Film Library

The Delaware-Chester Regional Film Library is housed on the college campus. This two-county film library has over 1700 films at pres-

ent, all instructional, in many fields of elementary and secondary education. The Delaware-Chester Film Library is the first joint regional film library to be formed in the state of Pennsylvania under a state supervised plan.

Membership in the Library is limited to the public schools of the two counties, who pay on a per pupil basis. There are 57 school systems now belonging, with a pupil enrollment of over 70,000.

College faculty may make use of the facilities of the Delaware-Chester Film Library. All applications must be made through the College Film Library in room 13.

Classification of Students By Year of Study

Students in the College are classified according to the number of semester hours of credit which they have earned:

Freshmen	31 credits or less
Sophomores	32-63 credits inclusive
Juniors	64-95 credits inclusive
Seniors	96 credits or more
Special	Those who are not working on a degree program or who are so classified for other reasons.

Marking System

The marking system now in effect at the West Chester State College is as follows:

Mark—Interpretation	Percentage Equivalents	Quality Points
A—Excellent	A—90-100	4
B—Superior	B—80- 89	3
C—Average	C—70- 79	2
D—Below Average	D—60- 69	1
F—Failure	F—59 or lower	0

I—Incomplete (See "Special Provisions".)

WF—Withdrew Failing

WP—Withdrew Passing

Percentage Equivalents

For those who prefer to think of the marking in terms of figures, it has been determined that each letter represents the range of per cents shown in the second column.

Scholastic Index:

The minimum scholastic index required to remain in good academic standing and for graduation is a 2.00 (C average) for all work taken at the College. This index is obtained by dividing the total credit hours into the total quality points.

Scholastic Index = Total Quality Points ÷ Total Credit Hours

Explanation:

The marking system provides that a "C" be interpreted as the average accomplishment; a "B" as accomplishment superior to the average, and an "A" very superior or exceptional work. A mark of "D" represents accomplishment inferior to the average and indicates the lowest type of work that will be accepted as of passing grade. An "F" represents that accomplishment wherein the quality of work done by a student is below that represented by a "D" or 60 per cent. A mark of "F" implies that the course must be repeated by the student.

Special Provisions Related to the Marking System:

If because of personal illness certified by a physician or other approved reasons, a student is not able to meet the requirements of a course at the close of a semester, a mark of "I" may be assigned by the instructor. This mark indicates that the work is incomplete. This work must be completed satisfactorily by the end of the ninth week of the semester following the giving of the mark. Failure to meet this requirement will result in the "I" grade being changed to an "F" on the permanent record card. In no case, is a student given a mark of "I" in any course when the cause of incomplete work is irregular attendance, negligence, unexcused absence from final examination, or inability to do college grade work.

When a student fails a course by a margin so close that the instructor believes that a re-examination is justified, the student may be marked "E". In all cases where an "E" is assigned, the student must take the re-examination by the end of the ninth week of the semester following the giving of this mark. The final mark for an "E" (re-examination privilege) cannot exceed a "D". Failure to meet this requirement will result in the "E" being changed to an "F" on the permanent record card.

Scholastic Requirements

A student admitted to the West Chester State College must show that he has capacity to do academic and professional work of college grade.

Students who earn a scholastic index of less than 2.00 (C) during a semester will **automatically** be placed on academic probation for the following semester in which they are in attendance.

Students who earn a scholastic index of less than 2.00 (C) during a period of academic probation will be subject to **dismissal** from the College.

Full-time students (those who carry 14 semester hours of credit or more) who do not pass at least ten semester hours of work during a semester, will be dismissed from the College.

Students dismissed for academic reasons will not be eligible to apply for readmission for at least one regular academic semester. Application for readmission must be filed with the Director of Admissions at least 30 days prior to the beginning of the semester for which admission is desired.

Reports to Parents

The office of the Registrar will mail a report of each student's marks to his parents or guardian after the close of each semester. This requires approximately 15 days after all grades are reported by the faculty.

Honors Lists

The Honors Lists will be published at the close of each semester.
High Honors List—Scholastic Index of 3.50—4.00
Honors List —Scholastic Index of 3.00—3.49

Students maintaining the above averages during the student teaching semester will be placed on separate High Honors and Honors Lists.

Credit by Examination

A student in good academic standing may request opportunity to take a comprehensive examination in a particular course offered by the College. Such a request must be filed in duplicate on a form secured from the office of the Dean of Academic Affairs. Requests will be reviewed by the College department involved and the Dean of Academic Affairs. Permission to take such an examination requires demonstration by the individual of mastery in the field. If the request is approved, the student will register for the course in the usual way and will be permitted to audit the class if he desires. If credit by examination would involve an over-load, the student must have "Honors List" standing. The semester hours of credit earned by examination will apply toward graduation requirements.

Advanced Placement Program

Courses taken before admission to college under the Advanced Placement Program conducted by the Educational Testing Service, Trenton, New Jersey, may be applied towards graduation requirements by students who are admitted to the college to pursue one or more semester's work. To secure such credit the student must make formal application to the office of the Dean of Academic Affairs. The course must satisfy college requirements and the score on the Educational Testing Service examination must be satisfactory to College officials. If request for Advanced Placement standing is approved, the student will register for the course and pay the established fee. Not more than fifteen (15) credits earned by such examination may be applied toward graduation requirements.

Student Teaching

Student teaching is to be taken in the seventh or eighth semester and normally culminates the professional experience in preservice preparation for teaching. Students should file applications for admission to student teaching during the spring semester of their junior year. An announced meeting is held in February for this purpose.

To be eligible for student teaching, candidates must have senior standing (96 semester hours) and a scholastic index of 2.00 (C) or higher.

Applications for admission to student teaching are reviewed by the department or departments in which the applicant wishes to secure certification, by the College Supervisor of Student Teaching, by the Dean of Academic Affairs, and by the Director of Student Teaching.

Remedial Instruction

New students whose records are low on the College Board Examinations, which are required of all incoming students, may be required to carry fewer semester hours of credit than a normal class load and may be required to attend without credit remedial classes in English and/or Reading.

Resident Credit Requirement

The last thirty (30) semester hours of credit must be taken at West Chester to qualify for graduation from a degree curriculum. Graduates of a two-year normal school curriculum are required to earn at least 30 semester hours of additional resident credits to be eligible for a degree. Resident credits may be earned in day, evening, and Saturday classes which are offered on campus.

Class and Assembly Attendance

Regular and punctual attendance at classes and assemblies is considered essential to sound scholarship and good campus citizenship. Upon enrolling in the College each student is supplied with a student handbook which contains a statement of the absence policy. Enrollment in the College implies agreement on the part of the student to conform with its provisions.

Freshmen and Sophomores are required to attend all assemblies. Juniors and Seniors are encouraged to attend.

Withdrawals From College

The student must notify the Dean of Academic Affairs in writing, stating the reason for his intention of withdrawal from the College.

Should a student fail to comply with this requirement, the administration will, after ten days of unexplained absence, declare the student not a member of the College. The date on which his connection with the College terminates will be the day on which he last attended classes.

When a student discontinues his work at the College, either for illness or any other reason, he must notify the Dean of Academic Affairs as soon as possible; otherwise he will receive marks of "F" in each of his courses on his permanent record card. This will result in difficulty in re-entering the College or in securing admission to another institution.

Transcripts

Applications for official transcripts should be made to the Office of the Registrar.

A copy of the student's entire record (a transcript) is attached to his application for certification in the State of Pennsylvania. This transcript is provided free of charge.

There is a fee of one dollar for the second and each subsequent transcript. Checks must accompany requests and should be made payable to the Commonwealth of Pennsylvania.

Transcripts are considered **official** only when sent directly to the school or college authority who is to evaluate and/or record them. Therefore, transcripts sent to students are **not** official and do not bear the state seal. Most states and most school and college authorities accept only **official** transcripts.

Names and addresses to whom transcripts are to be mailed should be included with applications.

No charge is made for transcripts sent to Pennsylvania school officials in connection with applications for a position.

Dismissals From College

Administrative officers and the student councils may make recommendations to the President for suspension and dismissal. No student shall be suspended or dismissed from the College except upon the approval of the President.

Student Class Load

A full-time student's schedule must have a normal load which is 14-17 semester hours of credit. No student shall be permitted to schedule more than 34 semester hours of credit in one academic year without the approval of the Director of the Undergraduate Program.

Withdrawals from a Course

Approved withdrawal from a course is not permitted without justifiable reason and must be approved by the Department Chairman and the Director of the Undergraduate Program.

A student may receive approval to withdraw from or "drop" a course during the first four (4) weeks of a semester. In the case of summer sessions, he may withdraw during the first three (3) days of a Pre- or Post Session and during the first week of Regular Session. No notation of this course will then appear on the student's permanent record. Except for special reasons and emergencies, withdrawal from a course is not permitted after the first four (4) weeks of the semester or as indicated for the summer sessions.

Faculty will record a grade of "WP" if the student's work is passing, and a "WF" if the student's work is failing at the time of approved withdrawal. A grade of "F" will be recorded if a student withdraws from a course without approval. A grade of "WF" receives the same penalty in quality points as an "F".

Students wishing to withdraw or "drop" a course should follow the procedure listed below:

1. Student should secure a "Drop Schedule" from the office of the Dean of Academic Affairs.

2. Student should confer with the faculty member regarding withdrawal.

3. Faculty member should confer with the Department Chairman who will make any comments regarding approval or disapproval of student's request.

4. Faculty member returns "Drop Schedule" form to the office of the Director of Undergraduate Program, by mail, for final disposition of the request.

Classification of Students By College Program

Students admitted to a degree program are classified as **Regular** students. Students who are admitted, but are not working for a degree, are classified as **Special** students.

Both Regular and Special students may be either full-time or part-time students; those who carry fourteen (14) semester hours of credit or more are full-time students; those with less than fourteen (14) semester hours of credit are part-time students.

Notice of Anticipation of Graduation

It is the responsibility of the student to report to the Office of the Dean of Academic Affairs at least three months before the date of his anticipated graduation. It is the student's responsibility to see that his name is placed upon the list of prospective graduates, and to indicate at that time the way his name should appear on the diploma. If he fails to do this, his graduation will be postponed until the next regular commencement.

Each student must, of necessity, assume responsibility for seeing that he meets all of the requirements for graduation outlined in the college catalog. These include the meeting of all general and professional education requirements, requirements in major and minor fields, a total of one hundred twenty-eight (128) credits, and a minimum scholastic index of 2.00 or "C" average.

Graduation

A student will be recommended for graduation when all the requirements for his curriculum have been met. Diplomas will not be issued until all bills and obligations to the College have been met.

The Alumni

The West Chester State College alumni number over twelve thousand, and their devotion to the College is marked. The annual meeting held at the College just before commencement is well attended and active branch organizations hold meetings at the following places: Allentown, Atlantic City, Bethlehem, New York City, Pottsville, Reading, and York. The Tri-County organization consists of graduates living in Delaware County, Montgomery County, and Philadelphia.

SELECTIVE SERVICE INFORMATION

The Dean of Academic Affairs is the College adviser on Selective Service. Students wishing advice on this subject should apply at his office in the Philips Memorial Building.

A student seeking deferment in order to continue his college career should request the office of the Dean of Academic Affairs to submit the proper information to the student's local Selective Service Board.

STUDENT LIFE

Classification of Students: Commuting—Resident

1. **Resident Students.** Resident students are of two types:
   a. **Dormitory Students**—those who live in a college dormitory and take their meals in the College dining room. All dormitory students are required to eat in the College dining room.
   b. **Off-Campus Students**—those who live in an approved off-campus residence and are required to take their meals in the College dining room.
2. **Day (Commuting) Students** are those who live at the home of their parents or legal guardians and commute daily to and from the College. Those driving cars must register with the Dean of Men.

The classification of students is determined by the Deans of Women and Men. These deans advise on the living conditions of all students.

Resident Students are required to eat in the College dining room. The Dean of Student Affairs may approve exceptions to this rule in very rare cases.

Application for permission to eat out of the College dining room must be filed in the office of the Dean of Student Affairs two weeks before the opening of each semester. The College Health Service will review each application based on a health condition when the family physician has submitted a detailed diagnosis with a laboratory report such as blood count, urinalysis, and basal metabolism test.*

Housing

The College has more than 500 rooms for women and approximately 300 rooms for men in respective dormitories. Rooms are provided in private homes for **Off-Campus Students.** These rooms are inspected and approved by the Dean of Men. **Off-Campus Students** are under the same college regulations as dormitory students.

* The College Infirmary must be furnished with a diet list prepared and signed by the family physician. This list should be made out in duplicate, one copy to be kept at the eating place of the student's choice and the other to be placed on file at the Infirmary.

Students who live in the college dormitories are provided with bed linens and counterpanes. All other bed furnishings and toilet necessities are provided by the students.

The College cannot provide housing or apartments for veterans and their families. It is the responsibility of the individual to secure housing facilities prior to registration day.

Regulations Concerning Dormitory Students

A student who accepts an assignment in any college dormitory at the beginning of a semester or session will be responsible for the payment of the room rent fee for the entire semester or session. Exceptions will be made only in cases of personal illness, the same being certified by an attending physician, or for such other reasons as may be approved by the President of the College and the Board of Trustees. A student admitted to a college dormitory after a semester or session begins will be responsible for the payment of the room rent fee for the balance of the semester or session on a prorated basis.

Regulations Concerning Dormitory Guests

A dormitory student is permitted to have an overnight guest ONLY when such a guest HAS BEEN REGISTERED WITH AND APPROVED BY the Dean of Women, in the case of women students, or the Dean of Men, in the case of men students. A charge of 50c per night is required for each guest. Students to whom rooms have been assigned will be RESPONSIBLE INDIVIDUALLY FOR THE OBSERVATION OF THIS REGULATION.

Student Automobile Regulations

Resident students who have valid reasons within the existing College Automobile Regulations, may maintain and operate automobiles on campus, providing they apply for and obtain permission from the **Dean of Men** prior to bringing automobiles on campus.

Commuting students will be granted permission, upon application to the **Dean of Men,** to drive automobiles to and from the College daily.

College Book Store

The College Book Store carries, in addition to books, a complete line of student necessities. This book store is operated as a student enterprise, the net profits of which accrue to the benefit of the Student Activities Association.

EXTRA-CURRICULAR ACTIVITIES

The developing of the extra-curricular program, fitting it to the needs of the students, and co-ordinating its various phases into the whole of college living is the responsibility of the Dean of Student Affairs. Questions of policy and regulations, the evaluating of the objectives of an activity, and other problems are acted upon by the Student Affairs Committee.

FRANCIS HARVEY GREEN LIBRARY

The program of extra-curricular activities at West Chester emphasizes four types of activities leading to individual and group development. The various clubs, organizations, activities, and responsibilities are grouped under one of four headings according to type of development emphasized. The following indicates the four types together with some of the activities included in each phase.

Type A: Activities that center around college group life; activities of college community government and living, such as: Student Activities Association Executive Board, Student Councils, Class Committees, Epicurean Club, Quad Angles, Student-Faculty Committees, Serpentine, Press Board, Little Theatre.

Type B: Activities that promote better professional development—that train for sponsorship and organization of "extra-class" programs in the public schools. The various departments of the College sponsor professional clubs, such as: Association of Childhood Education, English, French, Geography, Mathematics, Music, Social Studies, Science, men's and women's sports activities for health and physical education students.

Type C: Activities that promote finer ethical values. These groups have organized a Council of Religious Clubs that plans for a unified program for the year as well as emphasizes ethical action as a united front; it is through united effort in this area that we may raise the standards of honor and character on the campus. The organizations in this group are: Bible Study Club, Hillel Foundation, Newman Club, and Student Christian Association.

Type D: Activities that satisfy individual interests. These activities are those of hobby groups and include a long list, such as: art, athletics, glee clubs, photography, phonograph, nature study, orchestra, etc.

Each student is urged to participate in the activities of a club for one semester of each of the four years on campus. The Extra-Curricular Activities Committee and the Personnel Department ask the co-operation of the students in taking advantage of the varied types of extra-curricular activities that are offered.

No student is permitted to hold more than one office in one semester. It is hoped that this way it may be possible to spread opportunity and divide responsibility, thus develop leaders and discover latent abilities as well as continue to enjoy the services of those who are naturally inclined to direct affairs.

Students are urged to take into account the fact that their extra-curricular participation often has an important bearing upon their placement when seeking positions. Students should keep in mind not only the placement value of their extra-curricular program but also its cultural value.

PUBLICATIONS

QUAD ANGLES, the student newspaper, is published by an undergraduate staff. Positions in the organization are open to any member of the student body with reporting or editing ability. A faculty member serves as adviser.

THE SERPENTINE is the college yearbook published under the direction of the Senior Class. This record of college activities is edited by a student staff with a faculty adviser.

THE RAM'S HORN is a publication of the Varsity Club produced on the occasion of each home game of the football season. The staff is made up from the undergraduate body of the College aided by a faculty adviser.

THE HANDBOOK is published each year as an aid to incoming freshmen. It is prepared by a student staff with the advice of a faculty sponsor.

SCHOLARSHIPS

The College does not have scholarships to offer incoming students. Scholarships in the form of financial aid which students receive from other sources may be used at West Chester.

The following scholarships are available to West Chester students who qualify for them:

William Pyle Philips Scholarships

The William Pyle Philips full tuition (basic fee) scholarships are available to junior and senior students. To be eligible for these scholarships, **students must have been born in Chester County and must have lived there all their lives.** There are 40 to 50 scholarships awarded each year, the beneficiaries of which are selected on the basis of scholastic ability and citizenship.

The Samuel Martin Scholarship Bequest

This is a fund which was left by the will of Mr. Samuel Martin "to be used to defray part of the expenses of persons of limited means who are preparing to teach . . . Persons who are assisted shall preferably be educated at West Chester Normal School" (now West Chester State College). "Children of Friends, or persons in sympathy with Friends are preferred". Persons wishing to obtain the benefits of this fund will inform Elbert N. Pusey, Esquire, 30 West Market Street, West Chester, Pennsylvania.

The Sarah H. Mellor Scholarship Fund of the Chester County Council of Parent-Teacher Associations

Mrs. Sarah H. Mellor was associated with the West Chester State College as student, teacher, and member of the Board of Trustees. Her interest in education in general, in children, and in youth found expres-

sion in her devotion to the work of the Parent-Teacher Associations, especially those in Chester County. It was, therefore, most fitting that the Chester County Council of Parent-Teacher Associations memorialize her through this scholarship. A Joint Committee from the Chester County Council of PTA and the College makes the award annually to a Chester County student who is in attendance at the West Chester State College. This award of $100. each year is based upon the need, personality, character, and scholastic ability of the student.

Hannah Kent Schoff Memorial Scholarships

The Pennsylvania Congress of Parents and Teachers, believing that there is great value in offering financial aid to worthy students who are preparing for the teaching field, for many years has maintained a memorial loan fund in honor of its first president, Mrs. Hannah Kent Schoff. In 1957 this loan fund became the Hannah Kent Schoff Memorial Scholarship Fund. Outstanding students are recommended by their high schools and may become candidates for these scholarships to Pennsylvania State Colleges. Each scholarship is an outright grant of $150 per year, or $600 for the four years. The money is paid directly to the college and is applied to the student's account. These scholarships are valid only at the fourteen Pennsylvania State Colleges. Application forms, which should be secured from the High School Guidance Counselor, must be filed with the State College of the applicant's choice before March 1st.

The David M. Sensenig Memorial Scholarship

In memory of Dr. David M. Sensenig, who was Head of the Mathematics Department of the Normal School from 1895 until 1908, a scholarship is awarded annually to two juniors or seniors who have shown outstanding ability and achievement in Mathematics. The award is a $50 United States savings bond.

Kift-Mullen Memorial Scholarship for Future Teachers

The scholarship has been inaugurated by the Robert L. Kift-Thomas R. Mullen, Jr. Memorial Fund, Inc., provided for by the Lehigh Structural Steel Company, Allentown, Pennsylvania. To apply for this scholarship, students must be either juniors or seniors and must be graduates of Allentown High School or Allentown Central Catholic High School. The amount of the scholarship is $200. per year.

The Theodore Presser Foundation Scholarship

A scholarship for music students is awarded by the Music Department, with the approval of the President of the College. The amount granted totals $400. yearly, as approved by the Board of Trustees of the Presser Foundation. This award was first granted to West Chester in 1929 and is available to juniors and seniors in the music curriculum.

Music Department Scholarship of the General Student Fund

Three scholarships, each in the amount of $100. are awarded during the sophomore year to sophomore music education students. Col-

lege citizenship and performance in the area of applied music are the factors considered in making this award.

SICO Scholarships

The SICO Company of Mount Joy, Pennsylvania, has established one scholarship of $300. each year for students who are to enter the West Chester State College in the field of Elementary Education. The applicants for these scholarships must have legal residence in Chester, Berks, Cumberland, Dauphin, Lancaster, Lebanon or York Counties, or the State of Delaware, and must apply for the scholarship in their senior year of high school through the high school guidance counsellor. The scholarships are awarded on the basis of competitive examinations that are held at the College in March of each year.

Friars Memorial Scholarship

This scholarship is in memory of all those West Chester men who lost their lives in World War II. The amount of the scholarship is $100. awarded annually to the junior male student who has been selected on the basis of (1) high academic standing, (2) definite need, and (3) his contribution academically, socially, or athletically to the development and improvement of the College.

The Southeast Delco Lions' Scholarship

The members of this organization have established a scholarship for a graduate of the Yeadon, Darby-Colwyn, Collingdale or Sharon Hill Borough high schools. In order to be eligible, students must meet the following qualifications: (1) be a commuting student; (2) have commendable sophomore standing at West Chester State College; (3) have exhibited good campus citizenship and participated in the College's extracurricular program; (4) continue their education at West Chester State College with average or better than average grades; (5) be in need of financial assistance.

The amount of the scholarship is to be one thousand dollars ($1000.00). Three hundred and twenty-five dollars ($325) will be awarded at the beginning of the Sophomore year; three hundred and twenty-five dollars ($325) at the beginning of the Junior year; and three hundred and fifty dollars ($350) at the beginning of the Senior year, provided the above requirements are met annually. The first scholarship is to be awarded in September 1961 and it is the intention of the Club to award this Scholarship every three years. The recipient will be chosen by the scholarship committee of the Southeast Delco Lions' Club and the West Chester State College.

Valkyrie Club Scholarship

The scholarship, which amounts to $100. per year, is awarded to a member of the Valkyrie Club in her junior year and is to be applied to the payment of college expenses. The award is made on the basis of academic scholarship, need, and service to the Club.

York County Alumni Club Award

The members of this organization have established the Elsie O. Bull Scholarship fund to be awarded each year by a Special Committee of Awards to a person from York County who is attending, or will attend, West Chester State College. The award is made on the basis of the need, ability, and achievement of the student considered.

Schuylkill County Alumni Club Award

A fund has been created by this group, to be awarded each year by the Scholarship Committee of the Club, to a person from Schuylkill County who is attending the West Chester State College. Need, ability, and promise are the prerequisites necessary for consideration.

Bethlehem Alumni Club Scholarship

The Bethlehem Alumni Club has set up a scholarship amounting to $125. per year, which is awarded to a student from the Bethlehem High School or the Bethlehem Catholic High School. This award is made directly to a senior in the above mentioned high schools by the Alumni Club.

Scholarship Awarded by the Delaware County Federation of Junior Women's Clubs

A fund has been created by this group to be awarded by the Scholarship Committee of the Club to one or more junior class women from Delaware County who are in attendance at the West Chester State College. The amount of this award varies but averages over $100. a year.

State Department Scholarship

The State Department of Public Instruction offers a scholarship of $200 per year for four years to the student earning the highest score in the competitive examinations given in each county. This scholarship may be used at West Chester. If a student is interested in competing for this scholarship, he should apply to his high school guidance counsellor.

LOANS

The College endeavors to aid needy and deserving students to take advantage of their educational opportunity. A student whose record is satisfactory, both in academic achievements and in respect to personal and community responsibility, may feel that his application for financial aid will receive favorable consideration. Applicants should apply at the Office of the Dean of Student Affairs for the necessary forms.

There are several Loan Funds from which a student may seek financial assistance. These are listed below.

National Defense Student Loan Fund

The specific purpose of this Government Loan Program, established under the National Defense Education Act of 1958, is "to stimulate and assist in the establishment at institutions of higher education of funds

for the making of low-interest loans to students **in need** thereof to pursue their courses of study in such institutions." While making these loans available to needy students in **any** field of study, the Act specifies that "in the selection of students to receive loans . . . special consideration shall be given to (a) students with a superior academic background who express a desire to teach in elementary or secondary schools, and (b) students whose academic background indicates a superior capacity or preparation in science, mathematics, engineering, or a modern foreign language." Further information concerning these loans, as well as application forms, may be secured from Dr. Jack A. Owens, Institutional Representative for this Loan Fund.

Alumni Loan Fund

This is a fund which was created by the Alumni Association to aid needy students in their junior and senior years. The maximum loan is $100. per year. These loans must be used exclusively for college expenses. Applicants must be good students and in need of this loan to continue their college education. Legal security is required. No interest is charged. Repayments begin at the rate of $15. monthly after graduation.

Student Loan Fund

Emergency loans are made from this fund which must be repaid within a year. The maximum amount loaned to any one student is $50. For such a loan, application forms may be secured from the Office of the Dean of Student Affairs.

The Student Activities Association Loan Fund

The Student Activities Association, a student organization on the College Campus, has set aside a fund to assist needy students through loans. Each application is decided upon its own merits by a Committee. Application forms may be secured from the Office of the Dean of Student Affairs.

Viola Marple Scholarship Loan Fund

In accordance with the will of Miss Viola Marple, former teacher in the English Department at the Normal School, two scholarship loan funds were established for the education of two deserving young women in need of financial aid, "whose whole record of ability, scholarship, and Protestant Christian character gives evidence of fitness for teaching and promise for future usefulness; the said loan to be made to such students each year as may be selected by the President and the English faculty." Renewal of any loan may be granted if the scholastic conditions are maintained. The awardees are required to sign promissory notes which will bear no interest, but will be payable after graduation.

B'nai B'rith Loan Fund

The Alan Kodish Lodge of B'nai B'rith, West Chester, Pennsylvania, has established a loan fund for needy and deserving students, whereby short term loans may be made up to $100. This loan is available to

any student who is doing satisfactory academic work and who needs additional funds to continue his college education.

For further information on any of the above listed loan funds, students should consult the Dean of Student Affairs.

STUDENT EMPLOYMENT

Applications for the various types of student employment are accepted after May 1 of each year. Appointments for the year are made about July 1. Applications must be renewed each year.

Student Help Assistants

The College employs a limited number of students as helpers in some of the departments of the College; for example, the library, laboratories, and offices. Positions pay eighty cents an hour, the amount earned depending upon the number of hours employed during a month. Part-time positions require twenty-five hours of work per month; full-time positions require fifty hours work each month. Most of these jobs require some special form of training or skill. The money earned must be used exclusively for college expenses and is available primarily for those who could not otherwise attend college.

Student Waiters

Each year a number of men students are employed as waiters for the dining hall. Students thus employed are paid on an hourly basis and may earn from $375. to $400. for the year. Such positions are primarily available for those who could not otherwise go to college. The money thus earned must be used exclusively for college expenses.

Part Time and Odd Jobs

The Office of the Dean of Student Affairs offers to assist students who wish to earn money toward their college expenses. Students may register for such part time work or odd job work as may come to this office from the campus or community. While every effort is made to obtain places for those who wish employment, students should not depend upon this source for any regular income. The opportunities range from a few dollars to nearly $200. for the college year. Students who enter college with training in some special field are able to earn more than those with little or no training.

PATTERN FOR HANDLING GRADUATE ASSISTANTSHIPS, SCHOLARSHIPS, AND/OR FELLOWSHIPS OFFERED BY OTHER COLLEGES AND UNIVERSITIES

Senior students planning to take graduate work at other colleges and universities may obtain information regarding scholarships, assistantships and/or fellowships from the file maintained in the Office of the Dean of Student Affairs, Room 109 Anderson Hall. This office serves as the clearing house for all such information. Students should advise with their faculty adviser and/or major department chairmen regarding their interest in particular scholarships, assistantships, and/or fellowships. Students interested in such scholarships, assistantships, and/or fellowships should also consult the materials on file in the College Library, including catalogs from the various institutions.

Admission and Fees

ADMISSION TO THE COLLEGE

Students who expect to attend college should take the college preparatory or academic course in high school. By completing such a course with good marks, an adequate background for college work will be obtained. Technically, students who graduate from other curricula may qualify for admission to West Chester if their records are good, but certain deficiencies will exist in their preparation which will require more time and greater effort to overcome while a student in college.

1. Students will be admitted to the College on the basis of satisfactorily meeting the following requirements:

A. General scholarship as evidenced by graduation from an approved secondary school, or equivalent preparation as determined by the Credentials Evaluation Division of the Pennsylvania Department of Public Instruction;

B. All candidates for admission to West Chester State College must take the Scholastic Aptitude Test and the English Composition Test of the College Entrance Examination Board. **Junior** year scores or **Senior** year scores will be accepted.

Students who apply for admission to the Secondary Education Curriculum must also take the Achievement Test corresponding to the student's intended first teaching field (major field). Secondary Education applicants are urged to take a second achievement test corresponding to their choice of second teaching field (minor field).

Applicants for admission to the Elementary Education, Health and Physical Education, and Music Education curricula are urged to take one achievement test of their own choosing in addition to the required English Composition Test.

The College Board examinations are offered in December, January, March, May, and August, but applicants who take the tests not later than January will be given preference in admissions for September. Second semester applicants must take the College Board tests not later than December.

Applications and all necessary information for taking the examinations may be obtained from high school guidance counsellors or directly from the College Entrance Examination Board, P. O. Box 592, Princeton, New Jersey;

C. Satisfactory character and personality traits as well as proper attitudes and interests as determined by the high school principal, guidance director, or other school official acquainted with the student;

D. Good health and physical condition as evidenced by a health examination by the student's family physician reported on a form supplied by the College. No student shall be admitted who has, in the opinion of the College, disabilities which

would impair his service as a teacher. Applicants may be rejected for the following reasons:

(1) incurable defects or diseases of the heart, lungs, kidneys, digestive system, nervous system (including hysteria, epilepsy, nervous instability), skin, organs of the special senses, thyroid;
(2) defective vision of marked degree;
(3) permanently impaired hearing;
(4) marked speech defects;
(5) unsightly deformities;
(6) marked obesity.

Students with remedial defects may be accepted on condition that immediate treatment be undertaken for removal of these defects;

E. Recommendations of college staff members following an interview with the applicant. Particular attention will be paid to personality, speech habits, social presence, expressed interests, and promise of professional development. Only those students who can meet the academic requirements for admission will be invited to the College for interviews; however, an invitation to come for interviews is not to be interpreted as meaning the student has met the academic requirements for admission.

F. In addition to the College Board Tests, a student desiring admission to the Music Education curriculum must pass the Music Qualifying Tests offered by the Department. (See IV below);

G. For admission to the Health Education Curriculum a student must meet the conditions stated in V below.

II. Foreign languages and science are not required for admission, but are recommended for those who elect them as areas of specialization in college.

III. To elect mathematics in College, students must present three high school units of mathematics including algebra and plane geometry.

IV. Special requirements for admission to the Music Education Curriculum.

Special attention will be given to the promise of professional development and musical ability of the candidate as shown by:

A. The ability to sing songs with acceptable voice and interpretation.

B. The ability to sing hymns and folk tunes at sight with a fair degree of accuracy and facility;

C. Applicants whose major instrument is piano must give evidence of mastery of fourth grade material;

D. Applicants whose major instrument is other than piano must give evidence of mastery of second grade material in piano, or, lacking this requirement, should demonstrate sufficient musical ability to remedy this deficiency.

E. Students whose major performance area is instrumental should perform on an instrument in the Music Qualifying Tests. The following are considered to be **major** orchestral instruments — violin, viola, 'cello, bass, trumpet, trombone, tuba, French horn, oboe, English horn, flute, clarinet, and bassoon. The Music faculty will audition any student who is desirous of enrolling in the Music Education curriculum on any instrument. However, the marimba, saxophone, accordion, drums, etc. are **not** considered acceptable as a major performance area instrument.

NOTE: The abilities, as stated above, will be determined by special tests in sight singing, ear training, voice, piano, and musical instruments. These tests are administered at stated times during the year. Candidates will be notified by the Director of Admissions when to come to the College for the tests.

V. Special requirements for admission to the Health and Physical Education Curriculum.

The student must have participated in both the required physical education classes and the extra curricular athletic program of his secondary school. The extent of participation in the latter along with evidence of active interest in other leadership areas will be evaluated in the pre-admission departmental interview.

VI. A student must be a citizen of the United States to be eligible for a teacher's certificate in Pennsylvania.

Evidence of Character

All applicants for admission shall present evidence of good moral character and ideals characteristic of the teaching service.

Evaluation of Credentials

Credentials of all students entering the West Chester State College on the basis of an approved secondary school preparation are evaluated by College officials; students not having an approved preparation or students whose preparation is irregular, shall have their credentials evaluated by the Credentials Evaluation Division, Department of Public Instruction, Harrisburg, Pennsylvania.

Last Day for Admission of New Freshmen

All applications must be completed not later than August 15 for the fall semester or January 10 for the spring semester.

Application for Admission

High school seniors who desire to enroll for a semester beginning in September should fill in the Request for Application forms found at the back of this catalogue and send it to the Director of Admissions in

September of the senior year in high school or as soon thereafter as possible. Complete application forms and instructions will be mailed to all persons who file a request. The Director of Admissions will continue to accept applications for admission, College facilities permitting, throughout the winter, spring, and summer months of the year in which admission is desired.

A student who desires to enroll for a semester beginning in January should, about October 1 but not later than December 10, fill in the Request for Application forms found at the back of this catalogue and send it to the Director of Admissions. Complete application forms and instructions will be mailed upon receipt of the request. January applicants must take The College Board Examinations not later than December as scores will not be available if taken later.

Readmission of Former Students

Students who have attended West Chester State College and who have withdrawn for acceptable reasons may direct a request to the Admissions Office for an "Application for Readmission." Those who have attended any institutions of higher learning since leaving West Chester must request such institutions to forward transcripts of their record to the Director of Admissions at West Chester.

Students who were dismissed or asked to withdraw for academic reasons and those who withdrew from the College with a below average academic record, will not be considered for readmission for at least one **academic semester.** Details may be secured from the Director of Admissions. All readmission applications must be filed not later than August 15 for the fall semester or January 10 for the spring semester.

Admission of Special Students

Graduates of other colleges who wish to complete the requirements for a teacher's certificate may apply for admission as special students. Application forms and information may be secured from the Director of Admissions. Applications and credentials must be filed not later than August 15 for admission to the fall semester, nor later than January 1 for admission to the spring semester.

Admission of Transfer Students

1. Students who have been enrolled in any institution of collegiate rank, regardless of length of time attended, are classified as transfer students;
2. All transfer students must complete admissions procedures by August 15 for admission to the fall semester, and by January 1 for admission to the spring semester;
3. An applicant must file transfer application forms, obtainable by mail from the Admissions Office, and must have the following sent directly to the Director of Admissions, West Chester State College, West Chester, Pennsylvania:
   a. An official transcript of the applicant's record at each institution attended. To be acceptable, transcripts must show an honorable dismissal;

b. A letter of recommendation from the Dean of Men (for men) or the Dean of Women (for women) of the last college attended;

c. Two letters of recommendation from well known persons (not relatives) in the applicant's home community;

d. A letter, written by the applicant, explaining frankly and fully the reasons for wishing to transfer to West Chester State College;

e. A deposit of ten dollars ($10.00) which must accompany the application. This is a guarantee of intention to enter the college for the semester designated. It will be credited to the Basic Fee if the applicant enrolls. No review of an application will be made unless the deposit has been received by the Admissions Office. THIS DEPOSIT WILL NOT BE REFUNDED for any reason whatsoever;

f. Transfer students with four or less semesters of college experience, and those with more than four semesters whose scholarship record has not been entirely satisfactory, must file College Board scores for the Scholastic Aptitude Test, English Composition Test, and one other test;

4. Students enrolled in other colleges or universities during the fall semester, who apply for admission to West Chester for the spring semester, must supply in addition to the above, mid-term grades for the semester in attendance;

5. Transfer students who qualify for admission may be approved by the Admissions Office, subject to approval by the Admissions Committee, provided, the classes to which they should be assigned are not filled by students already enrolled in the College;

6. When an application has been completed in the Admissions Office, it will be reviewed and the applicant will be informed concerning (1) the tests and interviews that will be required, or (2) the rejection of the application. If tests and interviews are required, the applicant will be notified concerning the time and place. After fulfilling this requirement, final action will be taken on the application and notice of acceptance or rejection will be sent to the applicant.

Advanced Credit and Resident Credit Requirements

Advanced credit may be granted for equivalent courses in accredited institutions of collegiate grade, but no student may be graduated without earning a minimum of 30 semester hours of credit on the West Chester State College campus.

Courses offered for transfer of credits will not be accepted if the grades for those courses are the lowest passing grades of the institution assigning them. If "D" is the lowest passing grade, courses so graded will not be accepted. If numerical grading is used, courses will be accepted when the grade is 10 or more points above the lowest passing grade.

West Chester State College does not allow credit for courses taken through correspondence.

EXPENSES

A. FEES*

1. For Students Who Are Legal Residents of Pennsylvania—

A. Fees for each **full-time student are charged EACH SEMESTER as follows:

Curriculum	Basic Fee†	Special Curriculum Fee	Total*
Elementary Education	$100.		$100.
Secondary Education	$100.		$100.
Health and Physical Education	$100.	$18.	$118.
Music Education	$100.	$45.	$145.

B. Part-time Campus Students (students taking six semester hours or less)

(1) Basic Fee—$12.50 per semester hour (minimum basic fee $37.50)

(2) Special Curriculum Fee—same as for full-time students prorated on the basis of eighteen semester hours.

C. Off-Campus Extension Students

(1) Basic Fee—$12.50 per semester hour (minimum basic fee $37.50)

(2) Special Curriculum Fee—same as for full-time students prorated on the basis of eighteen semester hours.

D. The President of the College may, at his discretion, authorize payments for not less than one month in advance by worthy students.

2. For Students Other Than Legal Residents of Pennsylvania

A. Full-time Students

(1) Basic Fee—$100. per semester

(2) Out-of-state tuition fee—$168. per semester

(3) Special Curriculum Fee

(a) Health and Physical Education—$18. per semester

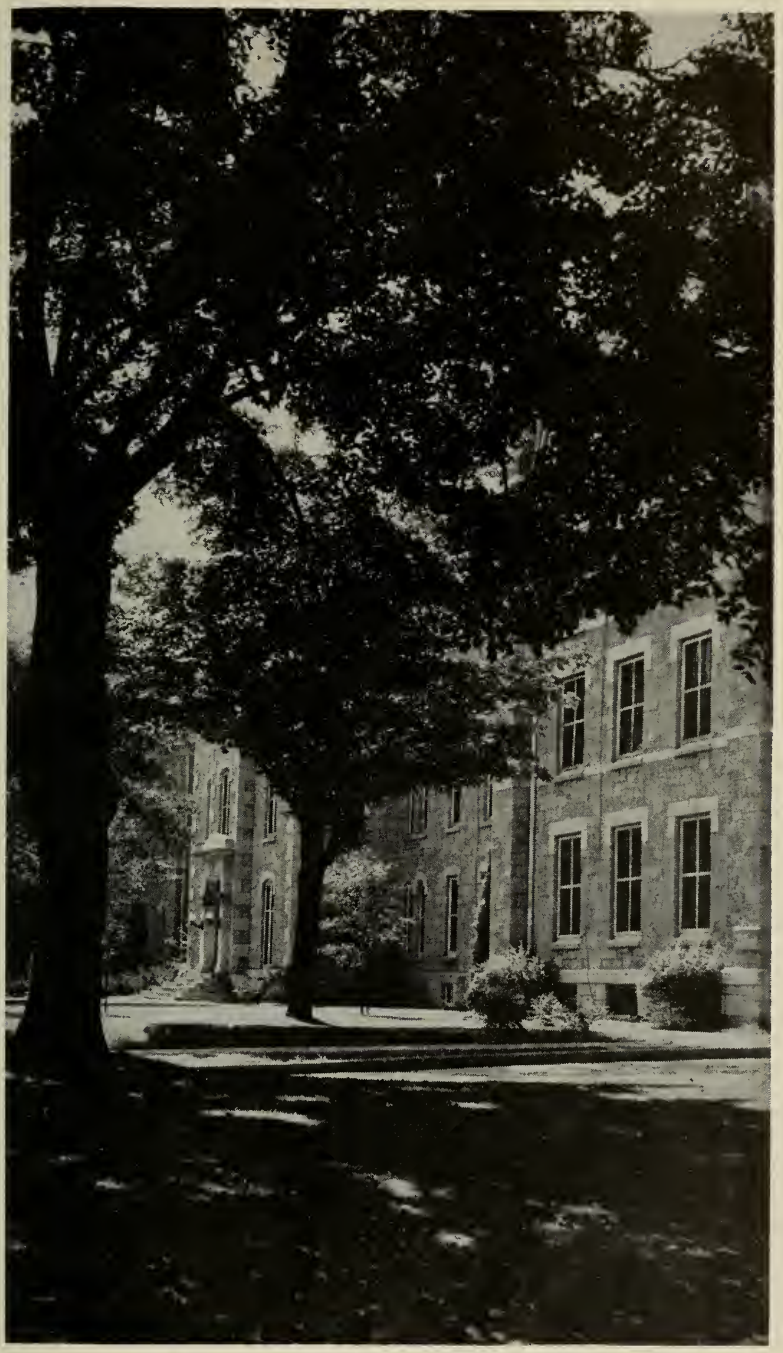
(b) Music Education—$45. per semester

B. Part-time Campus Students, Off-Campus Extension Students, and Summer Session Students—

* FEES ARE SUBJECT TO CHANGE WITHOUT NOTICE.

** The acceptance of a student is for a semester. Parents or guardians who are providing for the expenses of a student should understand that their financial obligations are for a full semester.

† This fee covers registration and keeping of records of students, library, student welfare, health service (other than extra nurse and quarantine), and laboratory facilities.



"OLD MAIN" WOMEN'S DORMITORY

(1) Basic Fee—$15. per semester hour (minimum basic fee $45.)

(2) Special Curriculum Fee—same as for full-time students prorated on the basis of eighteen semester hours.

3. Housing Fee

A. Housing rate for students.

The housing rate for students is $306 per semester.

This includes room and meals, during the time the College is officially in session (excludes holidays and recesses).

Students must vacate dormitory rooms on the day college recesses begin. Rooms may be occupied after 2:00 P.M. on the day preceding the end of a college recess.

(1) Official recesses to which this regulation applies are:

(a) Thanksgiving—from close of classes to 8:00 A.M. on the day classes resume;

(b) Christmas—from close of classes to 8:00 A.M. on the day classes resume;

(c) Between semesters—semesters end for freshmen, sophomores, juniors, non-graduating seniors, and special students immediately after their last final examination or student teaching assignment and the recess extends to 8:00 A.M. of the day students are scheduled to register for the next semester;

(d) Easter—from close of classes to 8:00 A.M. on the day classes resume.

(e) Other official holidays (recesses) to which this regulation applies may be designated by the College Administration.

(2) An additional charge of $9. per student will be made each semester for rooms with running water.

(3) A student may, at the discretion of the President of the College, occupy a double room alone by paying an additional $36. fee each semester.

(4) For the purpose of meeting the requirements of those college students who live in off-campus private rooming houses but board in the college dining room, the rate will be divided $8. for room and $9. for table board. Room rent is paid to the private housemothers and not to the College.

(5) No reduction in the rates is to be made for the absence of students for less than two weeks.

B. Housing rates for employees other than those included in the State Classification Schedule (faculty, clerks, etc.) are $18. per week, divided $9. for meals and $9. for room.

C. The rate for separate meals is:

Breakfast $.60 Lunch $.85 Dinner $1.25

Transient lodging fee is $1. per night per person.

D. The President of the College may, at his discretion, authorize payments for not less than one month in advance by worthy students.

4. Damage Fee

Students will be responsible for damages, breakage, loss, or delayed return of college property. The rooms are fully equipped for students at entrance. Any damage done to furniture, furnishings, or buildings, beyond that which comes from use, will be charged to students. At the opening of the year all necessary electric lamps are furnished free. Thereafter, students pay for extra light bulbs. If damage results from using appliances other than those provided by the College, a proportionate amount will be charged to all students accountable.

5. Private Music Instruction Fees

A. Students enrolled in the Music Education Curriculum do not pay extra fees for private instruction in voice, piano, band, or orchestral instruments that are required in the curriculum. Such instruction is included in the basic fee. There is no charge for the use of pianos for practice. A rental charge is made for the following:

(1) Pipe organ for practice one period per day, $36. each semester.

(2) Orchestral instruments, $6. per semester.

B. Charges applicable to students in the Elementary, Secondary, or Health and Physical Education Curriculum.

(1) Voice, piano, band, or orchestral instruments, $24. each semester —for one half-hour lesson per week.

Pipe organ, $42. each semester—for one lesson per week.

(2) Rental of piano for practice, one period per day, $6. each semester.

Rental of pipe organ for practice, one period per day, $36. each semester.

Rental of band or orchestral instruments, $6. each semester.

6. Miscellaneous Fees

A. Diploma Fee

A fee of $5. must be paid by each candidate for a degree to cover the cost of the diploma.

B. Record Transcript Fee

One dollar ($1.) will be charged for the second and each subsequent transcript of records.

C. Late Registration Fee and Late Payments

A late registration fee of $1. per day, not to exceed $5., will be paid by students who do not register on the appointed registration day, except where pre-approval has been obtained from the Registrar. The same regulations shall apply to approved inter-semester payments.

7. Delinquent Accounts

No student will be enrolled, graduated, or receive a transcript of his record until all charges have been paid.

B. DEPOSITS

Application Fees For New Students

An application fee of ten dollars ($10.00) toward the advance registration fee must be sent by all applicants with their application. **This fee is not refundable for any reason whatsoever.**

When a student has been approved for admission, he accepts the offer by sending an additional fifteen dollars ($15.00). This is a guarantee of his intention to enter the College for the term or semester designated **and is also not refundable.**

When a student enrolls at the College, he receives credit for the sum of the application fees ($25.00) toward his Basic Fee. If a student does not enroll, he forfeits the entire amount.

Check or money order (not cash) for these deposits must be made payable to the **Commonwealth of Pennsylvania.**

Advance Registration Fee For Upperclassmen

Upon notice by the Business Office, upperclassmen are required to pay an advance registration fee of twenty-five dollars ($25.00) as a guarantee of their intention to return to College. If this fee is not paid within the stipulated time limit, the student is dropped from the rolls of the College and loses all privileges and priorities that were due him.

If, after paying the advance fee, the student withdraws from the College or does not enroll for the semester or term designated, he forfeits the entire fee.

Check or money order must be made payable to the **Commonwealth of Pennsylvania.**

Compulsory Accident Insurance $7.50 per year

C. ADDITIONAL COSTS

Cost not included in listing

1. Student Activity Fee

A student activity fee will be collected from all students (except those noted below) and administered under regulations approved by the Board of Trustees through a cooperative organization. This fee will cover the cost of student activities in athletics, lectures, entertainments, student publications, et cetera.

Students taking extension courses or regular session students taking less than six semester hours may secure the benefits of the activities program by the payment of the student activity fee. This fee, as determined and collected by the Student Activities Association of the West Chester State College is $17.50 for each semester.

2. Books

Each student purchases his own books and supplies. These may be bought at the College Book Store. The cost is approximately $40. each semester.

3. Gymnasium Outfits

A. Health and Physical Education Students

(1) All Health and Physical Education men students are required to purchase athletic and gym outfits costing approximately fifteen dollars ($15.) the first semester, fifteen dollars ($15.) the third semester, and twenty dollars ($20.) in the student teaching semester.

(2) Health and Physical Education women students are required to purchase gym outfits costing approximately thirty-five dollars ($35.). This expenditure occurs at the beginning of the first semester.

B. Elementary, Secondary, and Music Students

In the first semester of the freshmen year all students other than those registered in the field of Health and Physical Education are required to purchase a regulation gym outfit. For the women students this outfit will include a pair of blue shorts, a white shirt, a white sweat shirt, white socks, and canvas tennis shoes. This regulation outfit may be purchased in the stores of West Chester at an approximate cost of ten dollars ($10.).

For the men students this regulation outfit includes a pair of white shorts, a white T-shirt, white socks, canvas gym shoes, gray sweat pants, and gray sweat shirt. The approximate cost of this gym outfit is fifteen dollars ($15.).

4. Identification Cards

A charge not exceeding one dollar ($1.00) will be made for Student Identification Cards on the day of registration. Identification cards are used to admit students to college functions sponsored by the Student Activities Association and to the College dining room. Identification cards show each student's photograph, personal data, and rules pertaining to their use. Lost identification cards will be replaced at a cost of two dollars and fifty cents ($2.50).

5. Dues

Each student will pay either a Day Student or Dormitory Council fee of nominal amount which currently is fifty cents ($.50) per year.

6. Class Dues

Class dues constitute an obligation which every student assumes upon admission to the College and **must be paid at the time of registration.** Class dues are determined by each class. For the current year the dues are as follows: Freshmen—$1.; Sophomores—$4.; Juniors—$7.; Seniors—$11.

D. REPAYMENTS

1. Repayments will be made:

In case of personal illness, the same being certified by an attending physician, or for such other reason as may be approved by the Board of Trustees, the amount of the housing and basic fees paid by the student for the part of the semester which the student does not spend in college will be refunded.

2. Repayments will not be made:

A. To students who are temporarily suspended, indefinitely suspended, dismissed, or who voluntarily withdraw from the College.

B. Of the application fees for any reason whatsoever.

E. DATE OF PAYMENTS
1961 - 1962

The College sends out bills for board and room and the basic and special curriculum fees each semester. This divides the payments per year into two units. If special arrangements other than these are desired, the student should consult the Business Manager of the College.

Checks for the basic and special curriculum fees and for board and room should be made payable to the COMMONWEALTH OF PENNSYLVANIA, and mailed to the College Business Office.

Checks for the STUDENT ACTIVITY FEE should be made payable to the Student Activities Association at West Chester, Pa., at the beginning of each semester. This fee shall be paid upon receipt of bill.

Payments are due as follows:	1961-62
First semester	Sept. 6
Second semester	Jan. 22
Pre-Session Fees	June 4
Regular Summer Session Fees	June 25
Post-Session Fees	August 6

SUMMARY OF COSTS PER YEAR*
FOR RESIDENTS OF PENNSYLVANIA

1. Elementary or Secondary Education Curriculum

a. Boarding at the College

Basic Fee	$200.00
Activity Fee	35.00
Books (approximately)	80.00
Room and board	612.00
	$927.00**

* Fees are subject to change without notice. Out-of-state students will be charged a tuition fee of $336.00 per year in addition to the costs listed.

** Cost of gymnasium outfits and class dues must be added to this total. See page 76 for costs.

b. Day Students—Living at Home

Basic Fee	$200.00
Activity Fee	35.00
Books (approximately)	80.00
	$315.00*

2. Health and Physical Education Curriculum:

a. Boarding at the College

Basic and Special Curriculum Fees	$236.00
Activity Fee	35.00
Books (approximately)	80.00
Room and board	612.00
	$963.00*

b. Day Students—Living at Home

Basic and Special Curriculum Fees	$236.00
Activity Fee	35.00
Books (approximately)	80.00
	$351.00*

3. Music Education Curriculum:

a. Boarding at the College

Basic and Special Curriculum Fees	$290.00
Activity Fee	35.00
Books (approximately)	80.00
Room and board	612.00
	$1017.00*

b. Day Students—Living at Home

Basic and Special Curriculum Fees	$290.00
Activity Fee	35.00
Books (approximately)	80.00
	$405.00*

* Cost of gymnasium outfits and class dues must be added to this total.

Curricula

CURRICULA OFFERED AT WEST CHESTER

1. Elementary Education Curriculum
2. Secondary Education Curriculum
3. Health and Physical Education Curriculum
4. Music Education Curriculum
5. Degree Curriculum for Dental Hygienists
6. Degree Curriculum for Public School Nurses
7. Two Year General Education Program

1. THE ELEMENTARY CURRICULUM

Upon satisfactory completion of the requirements of this curriculum the student will be granted the degree of Bachelor of Science in Education by the College and will qualify for a Pennsylvania Provisional College Certificate to be issued by the Department of Public Instruction, Harrisburg, Pa. This certificate will be valid for teaching for three years in the kindergarten and grades one to six inclusive, and for grades seven and eight when they are not a part of an approved junior high school or junior-senior high school in Pennsylvania.

(Sequence of courses subject to change for administrative reasons)

		Hours	
	FIRST SEMESTER	Clock	Semester
Eng. 101	English I	3	3
Eng. 103	Speech	2	2
Sci. 100	Basic Biology	4	3
Ed. 100	Professional Orientation	3	3
Geog. 101	World Geography	3	3
H.E. 101	Physical Education	2	1
		17	15
	SECOND SEMESTER		
Eng. 102	English II	3	3
Eng. 104	Reading	2	2
Art 101	Fine Arts	3	3
Math. 101	Introduction to College Mathematics	3	3
Sci. 150	Physical Science	4	3
H.E. 150	Health	2	2
		17	16
	THIRD SEMESTER		
Hist. 201	History of Civilization I	3	3
Eng. 221	Literature I	3	3
Ed. 250	General Psychology	3	3
Sci. 250	*Science for the Elementary Grades	3	3
Mus. 220	Fine Arts	3	3
H.E. 201	Physical Education	2	1
		17	16

* Courses so marked cover content materials, and specialized methods pertaining to the subject area involved.

		Hours	
	FOURTH SEMESTER	Clock	Semester
Hist. 202	History of Civilization II	3	3
Eng. 222	Literature II	3	3
Art 202	*Art for the Elementary Grades	3	3
Mus. 251 or Mus. 252	*Music for the Primary Grades, or * Music for the Intermediate Grades	3	3
H.E. 202	Physical Education	2	1
Eng. 353	Speech Problems	3	3
		17	16
	FIFTH SEMESTER		
Ed. 350	Educational Psychology	3	3
Ed. 309 or Ed. 319 / Eng. 328 / Ed. 317	*Language Arts	9	9
	Teaching of Reading 3-3		
	* Children's Literature 3-3		
	* Teaching of Language Arts 3-3		
H.E. 350	*Health for the Elementary Grades	3	2
	Elective	3	3
		18	17
	SIXTH SEMESTER		
Hist. 310	History of the United States and Pennsylvania	3	3
Ed. 351	Human Development (Childhood)	3	3
Math. 351	*Arithmetic for the Elementary Grades	3	3
Ed. 320	*Social Studies and Geography	3	3
Ed. 300	Audio-Visual Education	3	2
	Elective (in Science)	3	3
		18	17
	SEVENTH SEMESTER		
Ed. 451	Tests and Measurements in Guidance	3	3
Ed. 480	Introduction to Philosophy	3	3
Pol. Sci. 431	American Government	3	3
Ed. 401	Problems of Elementary Education	3	3
	Elective	3	3
	Elective	2	2
		17	17
	EIGHTH SEMESTER		
Ed. 410	Student Teaching and Direction of Student Activities	30	12
Ed. 400	Practicum and School Law	2	2
		32	14
	Total Semester Hours Required for Graduation		128

* Courses so marked cover content materials, and specialized methods pertaining to the subject area involved.

SPECIALIZATION AND ELECTIVES

Students may specialize in Early Childhood, in Intermediate Grade, or in Upper Grade teaching by selecting appropriate electives. A minimum of six semester hours in any of the three areas shall constitute specialization in that area. Students wishing to be certified in Special Education may do so by taking a minimum of 13 semester credits in that area of specialization. (See page 84 for that program).

ELECTIVES:		Hours Clock	Semester
Art 201	Arts and Crafts	3	3
Art 301	Problems in Art Education	3	3
Art 302	Creative Art	3	3
Art 303	Creative Design	3	3
Ed. 301	Pre-School Education	3	3
Ed. 303	Creative Activities in the Elementary School	3	3
Ed. 307	Diagnostic and Remedial Reading	3	3
Ed. 310	School and Community	3	3
Ed. 330	Teaching the Exceptional Child	3	3
Ed. 353	Child Adjustment	3	3
Ed. 370	Mental Hygiene	3	3
Ed. 380	Ethics	3	3
Mus. 100	Foundations of Music	3	3
Mus. 401	Piano Class (Elementary)	3	3
Mus. 403	Teaching Music Appreciation in the Elementary Schools	3	3

Students may also elect courses in academic fields and special curricula. Permission and guidance must be secured from department chairmen of those fields.

ELEMENTARY SCHOOL SCIENCE

Although there is, at present, no field of specialization in Elementary School Science, each student in the Elementary Education Curriculum is required to elect at least one course in the Science Department.

RECOMMENDED:		Hours Clock	Semester
Sci. 251	Matter & Energy	3	3
Sci. 252	Earth Science	3	3
Biol. 111	Botany I	6	4
Biol. 112	Botany II	6	4
Biol. 141	Zoology I	6	4
Biol. 141	Zoology II	6	4
Biol. 210	Field Botany	5	3
Biol. 241	Field Zoology	5	3
Biol. 242	Ornithology	5	3
Biol. 301	Genetics	5	3
Biol. 302	Ecology	5	3
Biol. 341	Entomology	5	3
Biol. 355	Conservation of Plant and Animal Resources	5	3

PROGRAM OF STUDIES IN SPECIAL EDUCATION

Beginning in January, 1961, West Chester State College will expand its curricular offerings to include certification in the teaching of the Mentally Retarded and the Physically Handicapped. These programs should be regarded as extensions of existing certification curricula rather than self-sufficient courses. The student interested in special education will be graduated with dual certification, i.e., regular elementary and retarded, or health and physical education and physically handicapped, or other similar combinations.

The certification requirements of the Department of Public Instruction specify "six semester hours of courses in the area of the psychology of exceptional children" and "six semester hours of specialized preparation in curriculum and methodology . . . including arts and crafts, music and audio-visual aids". Within this framework a program has been planned totaling thirteen semester hours in each field in such manner that it will not be necessary for the student to carry an overload or to attend a summer session. It is contemplated that ultimately a summer program will be offered but certification should be possible without summer study if desired.

The planned program of study in each area is as follows:

Mentally Retarded	Sem. Hrs.	Physically Handicapped
Psychology of Exceptional Children	3	Psychology of Exceptional Children
Psychology of the Mentally Retarded	3	Psychology of the Physically Handicapped
Curriculum and Methods for Mentally Retarded	3	Curriculum and Methods for Physically Handicapped
Arts and Crafts for Atypical Children	2	Arts and Crafts for Atypical Children
Problems in Special Education	2	Orthopedic Disabilities of Childhood
	Total 13 s.h.	

Student Teaching: In each program not less than four weeks nor more than nine weeks of the regular student teaching to be allocated to a special education station.

The courses in the Psychology of Exceptional Children and Arts and Crafts for Atypical Children are basic and will be taken by students in either field. **They are being offered in the Spring Semester of the present academic year.**

All interested students should apply immediately to the Admissions Office, Room 106 Anderson Hall, for further details.

2. THE SECONDARY CURRICULUM

Upon satisfactory completion of the requirements of this curriculum the student will be granted the degree of Bachelor of Science in Education by the College and will qualify for a Pennsylvania Provisional College Certificate to be issued by the Department of Public Instruction, Harrisburg, Pa. This certificate will be valid for teaching specific subjects in an approved secondary school in Pennsylvania for three years. Students are required to choose two areas of specialization. These are indicated on the following pages.

(Sequence of courses subject to change for administrative reasons)

		Hours	
	FIRST SEMESTER	Clock	Semester
Eng. 101	English I	3	3
Eng. 103	Speech	2	2
Sci. 100	Basic Biology	4	3
Geog. 101	World Geography	3	3
H.E. 104	Physical Education	2	1
	Elective	3	3
		17	15
	SECOND SEMESTER		
Eng. 102	English II	3	3
Eng. 104	Reading	2	2
Sci. 150	Basic Physical Science	4	3
Ed. 100	Professional Orientation	3	3
Math 101	Introduction to College Mathematics	3	3
H.E. 204	Physical Education	2	1
	Elective	3	3
		20	18
	THIRD SEMESTER		
Hist. 201	History of Civilization I	3	3
Eng. 221	Literature I	3	3
Ed. 250	General Psychology	3	3
Art 101	Fine Arts	3	3
H.E. 150	Health	2	2
	Elective	3	3
		17	17
	FOURTH SEMESTER		
Hist. 202	History of Civilization II	3	3
Eng. 222	Literature II	3	3
Mus. 220	Fine Arts	3	3
H.E. 205	Physical Education	2	1
	Electives	6	6
		17	16

		Hours	
	FIFTH SEMESTER	Clock	Semester
Hist. 310	History of the United States and Pennsylvania	3	3
Hist. 311	History of the United States and Pennsylvania (Social Studies and History Majors only) 3-3		
Ed. 350	Educational Psychology	3	3
Ed. 352	Human Development (Adolescence)	3	3
	Electives	7	7
		16	16
	SIXTH SEMESTER		
Ed. 300	Audio-Visual Education	3	2
Ed. 302	Problems of Secondary Education Including Guidance	3	3
Ed. 451	Tests and Measurements in Guidance	3	3
	Electives	9	9
		18	17
	SEVENTH SEMESTER		
Ed. 480	Introduction to Philosophy	3	3
Pol. Sci. 431	American Government	3	3
	Electives	9	9
		15	15
	EIGHTH SEMESTER		
Ed. 412	Student Teaching and Direction of Student Activities	30	12
Ed. 414	Professional Practicum and School Law	2	2
		32	14

Total Semester Hours Required for Graduation 128

Specialization in **one** of the teaching fields listed below is required for graduation in Secondary Education. For a particular field, fulfillment of the requirement listed will satisfy the teacher certification requirements in Pennsylvania.

Students who wish to be certified to teach in a second field must meet the minimum requirement for certification which is shown in the second column.

If the first field choice is English, Comprehensive Science, or Social Studies, in order to meet the requirement for certification in a second field, attendance will be required at one or more summer sessions during the four-year college program, usually after the sophomore and/or junior years.

The minimum semester hour requirements for each of the fields of specialization are as follows:

	First Field	Second Field
Biology	30	24
Chemistry	30	24
Comprehensive Science	40	—
Earth and Space Science	30	24
English	36	—
French	30	24
General Science	30	24
Geography	30	24
German	—	24
Latin	—	24
Mathematics	30	24
Physics	30	24
Russian	—	24
Social Studies	45	—
Spanish	—	24

AREAS OF SPECIALIZATION

English

(First field 36 Semester Hours; no second field.)

Course descriptions begin on page 125

REQUIRED—

Eng. 101-103	*Communication I	5	5
or Eng. 101	English I (3-3)		
and Eng. 103	**Speech (2-2)		
Eng. 102-104	*Communication II	5	5
or Eng. 102	English II (3-3)		
and Eng. 104	**Reading (2-2)		
Eng. 221	Literature I	3	3
Eng. 315	Teaching English in Secondary Schools	3	3

RESTRICTED ELECTIVES—

At least one course must be selected from each of Groups 1, 2, 3, and 4.

		Hours Clock	Semester
Group 1. COMPOSITION COURSES			
Eng. 211	Journalism	3	3
Eng. 312	Advanced Composition	3	3
Eng. 313	Creative Writing	3	3
Eng. 314	English Philology and Grammar	3	3
Group 2. SURVEY COURSES			
Eng. 223	American Literature	3	3
Eng. 224	English Literature I	3	3
Eng. 225	English Literature II	3	3
Eng. 326	American Poetry	3	3
Eng. 327	American Prose	3	3
Eng. 328	Children's Literature	3	3
Eng. 329	Classical Mythology	1	1
Group 3. PERIOD COURSES			
Eng. 331	Pre-Shakespearean Literature	3	3
Eng. 332	Shakespeare	3	3
Eng. 333	Eighteenth Century Literature	3	3
Eng. 334	The Romantic Movement	3	3
Eng. 335	Victorian Literature	3	3

*3 Semester Hours of credit will count toward specialization in English.
**Does not carry credit toward specialization in English.

SWOPE HALL: THE NEW MUSIC BUILDING

		Hours Clock	Semester
Group 4. LITERARY FORM COURSES			
Eng. 341	The Novel to 1870	3	3
Eng. 342	Contemporary Novel	3	3
Eng. 343	Contemporary Poetry	3	3
Eng. 344	Modern Drama	3	3
Eng. 345	Criticism	3	3
Eng. 346	The Essay	3	3
Eng. 347	Literature of Biography	3	3
Eng. 348	Short Story	3	3

Group 5. ENGLISH FREE ELECTIVES

(These courses do not carry credit toward the basic 36 hours required for a field in English but may be used as supplemental credits.)

Eng. 351	Play Production	3	3
Eng. 352	Dramatics in the Elementary Grades	3	3
Eng. 353	Speech Problems	3	3
Eng. 354	Choral Speaking	3	3

French

(First field 30 Semester Hours; Second field 24 Semester Hours)

Course descriptions on pages 132-133

REQUIRED—

Fr. 101	Elementary French I	3	3
Fr. 102	Elementary French II	3	3
Fr. 103	Intermediate French I	3	3
Fr. 104	Intermediate French II	3	3

ELECTIVES—

Fr. 201	Survey of Literature I	3	3
Fr. 202	Survey of Literature II	3	3
Fr. 301	Advanced Language and Techniques	3	3
Fr. 302	Advanced Oral French	3	3
Fr. 401	*French Literature of the 18th Century	3	3
Fr. 402	*French Literature of the 19th Century	3	3
Fr. 403	*Contemporary French Literature	3	3
Fr. 404	*French Classical Drama	3	3

*French 401 and 402 will alternate with French 403 and 404; French 403 and 404 will not be given in 1960-61.

Spanish

(First field 30 Semester Hours; Second field 24 Semester Hours)

		Hours Clock	Semester
REQUIRED—			
Sp. 101	Elementary Spanish I	3	3
Sp. 102	Elementary Spanish II	3	3
Sp. 103	Intermediate Spanish I	3	3
Sp. 104	Intermediate Spanish II	3	3
ELECTIVES—			
Sp. 201	Survey of Literature (Golden Age)	3	3
Sp. 202	Survey of Literature (Since 1800)	3	3

German

(First field 30 Semester Hours; Second field 24 Semester Hours)

REQUIRED—			
Ger. 101	Elementary German I	3	3
Ger. 102	Elementary German II	3	3
Ger. 103	Intermediate German I	3	3
Ger. 104	Intermediate German II	3	3
ELECTIVES—			
Ger. 201	Advanced Readings in German Literature	3	3
Ger. 202	Goethe	3	3

Latin

(No first field offered; Second field 24 Semester Hours)

REQUIRED—			
Lat. 101	*Beginning Latin I	3	3
Lat. 102	*Beginning Latin II	3	3
Lat. 103	Ovid and Virgil	3	3
Lat. 104	Livy	3	3
Lat. 201	Cicero and Tacitus Selections	3	3
Lat. 202	Horace	3	3
Lat. 301	Plautus and Terence	3	3
Lat. 302	Roman Civilization	3	3

Russian

(No first field offered in Russian)

ELECTIVES—			
Rus. 101	Beginning Russian I	3	3
Rus. 102	Beginning Russian II	3	3
Rus. 103	Intermediate Russian I	3	3
Rus. 104	Intermediate Russian II	3	3

*A beginning course for students lacking two years of high school Latin. This two semester course will not be credited toward a teaching field in Latin.

Geography

(First field 30 Semester Hours; Second field 24 Semester Hours)

Course descriptions begin on page 137

REQUIRED—		Hours Clock	Semester
Geog. 101	World Geography	3	3
Geog. 202	Geography of the U. S. and Canada	3	3
Geog. 203	Economic Geography	3	3
Geog. 205	Physiography	3	3
Geog. 307	Geography of the U. S. S. R. (Including Satellite Countries)	3	3
Geog. 311	*Teaching Geography in Secondary Schools	3	3

RESTRICTED ELECTIVES—

At least one course must be chosen from each of Groups 1, 2, and 3.

Group 1. EARTH STUDIES

Geog. 206	Meteorology	3	3
Geog. 301	Geology	3	3
Geog. 302	Climatology	3	3
Geog. 303	Cartography	3	3

Group 2. ECONOMIC STUDIES

Geog. 201	Conservation of Natural Resources	3	3
Geog. 209	The U. S. in its Global Relationships	3	3
Geog. 210	Geographic Influence in American History	3	3
Geog. 308	Trade and Transportation	3	3
Geog. 309	World Problems	3	3

Group 3. REGIONAL STUDIES

Geog. 102	Geography of the U. S. and Pennsylvania	3	3
Geog. 204	Geography of Pennsylvania	3	3
Geog. 207	Geography of Europe	3	3
Geog. 208	Geography of Latin America	3	3
Geog. 304	Geography of Asia	3	3
Geog. 305	Geography of the Far East	3	3
Geog. 306	Geography of Africa	3	3
Geog. 312	Geography of Australia and Associated Islands	3	3
Geog. 310	Field Courses (as approved)	3	3

*Required for a first field; may not be used to satisfy the minimum requirements for a second field.

MATHEMATICS

(First field 36 Semester Hours; Second field 24 Semester Hours)

Course descriptions begin on page 157

Students demonstrating competence to specialize in Mathematics will not be required to take Math. 101: **Introduction to College Mathematics.**

		Hours	
REQUIRED—		Clock	Semester
Math. 105	College Algebra and Trigonometry	3	3
Math. 131	Analytic Geometry	3	3
Math. 241	Differential Calculus	3	3
Math. 242	Integral Calculus	3	3
Math. 341	Intermediate Calculus	3	3
*Math. 343	Differential Equations	3	3
*Math. 350	Teaching of Mathematics in Secondary Schools	3	3
Math. 403	Mathematical Statistics	3	3
Math. 411	Modern Algebra	3	3
Math. 431	Modern Geometry	3	3
ELECTIVES—			
Math. 211	Advanced Algebra	3	3
Math. 331	College Geometry	3	3
Math. 401	History of Mathematics	3	3
Math. 441	Advanced Calculus	3	3

SCIENCE

Course descriptions begin on page 174

Comprehensive Science

(First field 40 Semester Hours; no second field.)

A student may qualify for the **Comprehensive Science Certificate** by completing a minimum of forty (40) semester hours with not less than eight (8) semester hours in **each** of the following: biology, chemistry, and physics; **and** not less than (6) semester hours in earth sciences (astronomy, geology, and meteorology): **and** not less than three (3) semester hours in mathematics.

General Science

(First Field 30 hours; Second Field 24 hours)

Certification to teach General Science is valid for teaching General Science in all grades up to and including the ninth grade.

A student may be certified to teach General Science on the completion of twenty-four (24) semester hours in any two or all of the sciences;

*Not required for a second field.

Basic Biology (Sci. 100) and Basic Physical Science (Sci. 150) are not required of students with specialization in General Science. Supporting electives recommended are listed under Biology, Chemistry, Geography (Earth Sciences), Mathematics, and Physics.

REQUIRED—		Hours Clock	Semester
Biol. 111	Botany I	6	4
or			
Biol. 112	Botany II	6	4
Chem. 121	Inorganic Chemistry I	6	4
Chem. 122	Inorganic Chemistry II	6	4
Biol. 141	Zoology I	6	4
or			
Biol. 142	Zoology II	6	4
Phys. 131	Physics I	6	4
Phys. 132	Physics II	6	4
Geog. 206	Meteorology	3	3
Sci. 350	*Teaching Science in Secondary Schools	3	3

Biology

(First field 30 Semester Hours; Second field 24 Semester Hours)

Basic Biology (Sci. 100) is not required when a field of specialization is Biology.

REQUIRED			
Biol. 111	Botany I	6	4
Biol. 112	Botany II	6	4
Biol. 141	Zoology I	6	4
Biol. 142	Zoology II	6	4
Sci. 350	*Teaching Science in the Secondary School	3	3

RESTRICTED ELECTIVES (apply only to first teaching field)

At least one course must be selected from each group.

Group 1 FIELD COURSES			
Biol. 210	Field Botany	5	3
Biol. 241	Field Zoology	5	3
Biol. 242	Ornithology	5	3
Biol. 302	Ecology	5	3
Biol. 341	Entomology	5	3
Biol. 355	Conservation of Plant and Animal Resources	5	3

*Required for a first field; may not be used to satisfy the minimum requirements for a second field.

		Hours Clock	Semester
Group 2. LABORATORY COURSES			
Biol. 301	Genetics	5	3
Biol. 310	Microbiology	5	3
Biol. 342	Parasitology	5	3
Biol. 343	Mammalian Anatomy	5	3
Biol. 344	Animal Physiology	5	3
Biol. 345	Plant Physiology	5	3
Biol. 351	Embryology	5	3
Biol. 401	Histology	5	3
Biol. 402	Cytology	5	3
Biol. 452	Special Problems in Biology	1	3

Chemistry

(First field 30 Semester Hours; Second field 24 Semester Hours)

Basic Physical Science (Sci. 150) is not required when a field of specialization is Chemistry.

Students who elect Chemistry as a first field and Physics as a second field may count the hours in Physics I and II towards both fields.

REQUIRED

Chem. 121	Inorganic Chemistry I	6	4
Chem. 122	Inorganic Chemistry II	6	4
Chem. 221	Qualitative Analysis	7	3
Chem. 222	Quantitative Analysis	7	3
Sci. 350	*Teaching Science in the Secondary School	3	3

ELECTIVES

Chem. 123	Inorganic Chemistry III	6	4
Phys. 131	Physics I	6	4
Phys. 132	Physics II	6	4
Chem. 321	Organic Chemistry I	6	4
Chem. 322	Organic Chemistry II	6	4
Chem. 331	Physical Chemistry	5	3

Earth and Space Science

(First field 30 Semester Hours; Second field 24 Semester Hours)

Basic Physical Science (Sci. 150) is not required when a field of specialization is Earth and Space Science.

REQUIRED

Chem. 121	Inorganic Chemistry I	6	4
Chem. 122	Inorganic Chemistry II	6	4

*Required for a first field; may not be used to satisfy the minimum requirements for a second field.

			Hours Clock	Semester
Phys.	131	Physics I	6	4
Phys.	132	Physics II	6	4
Phys.	330	General Astronomy	3	3
Geog.	205	Physiography	3	3
Geog.	206	Meteorology	3	3
Geog.	301	Geology	3	3
Sci.	350	*Teaching Science in the Secondary School	3	3

ELECTIVES

To be selected from Chemistry, Physics, or **Earth Science.

Physics

(First field 30 Semester Hours; Second field 24 Semester Hours)

Students who elect Physics as a first field and Chemistry as a second field may count the hours in Inorganic Chemistry I and II towards both fields.

Basic Physical Science (Sci. 150) is not required when a field of specialization is Physics.

Beyond Physics I and Physics II (General College Physics) the course in Integral Calculus is recommended for all students in this field.

REQUIRED

Phys.	131	Physics I	6	4
Phys.	132	Physics II	6	4
Phys.	231	Mechanics	6	4
Phys.	431	Modern Physics	5	3
Phys.	432	Atomic Physics	5	3
Math.	105	College Algebra and Trigonometry***	5 3	3 3
Sci.	350	*Teaching Science in the Secondary School	3	3

ELECTIVES—

Chem.	121	Inorganic Chemistry I	6	4
Chem.	122	Inorganic Chemistry II	6	4
Phys.	330	General Astronomy	3	3
Phys.	331	Electricity and Magnetism	6	4
Phys.	332	Electronics	5	3
Phys.	333	Optics	5	3
Math.	242	Integral Calculus	3	3

*Required for a first field; may not be used to satisfy the minimum requirements for a second field.
**To be selected from Geography, Group 1. See page 91.
***May not be used to satisfy the minimum requirements for either a first or second field.

SOCIAL STUDIES

(First field 45 Semester Hours; No second field)

Social Studies Course descriptions begin on page 183
Geography Course descriptions begin on page 137

REQUIRED—			Hours Clock	Semester
Hist.	201	History of Civilization I	3	3
Hist.	202	History of Civilization II	3	3
Hist.	311	History of the United States and Pennsylvania I	3	3
Hist.	312	History of the United States and Pennsylvania II	3	3
Pol. Sci.	431	American Government	3	3
Ec.	331	Principles of Economics	3	3
Soc.	331	Principles of Sociology	3	3
Soc. St.	331	Teaching Social Studies in Secondary Schools	3	3
Geog.	202	Geography of the United States and Canada	3	3
Geog.	203	Economic Geography	3	3

RESTRICTED ELECTIVES—

At least one course must be selected from each of Groups 1, 2, 3, 4, and 5.

Group 1. UNITED STATES HISTORY

Hist.	313	History of Pennsylvania	3	3
Hist.	314	Diplomatic History of the United States	3	3
Hist.	315	Economic History of the United States	3	3
Hist.	316	History of the American Frontier	3	3
Hist.	317	History of American Science and Technology	3	3
Hist.	318	Constitutional History of the United States	3	3

Group 2. EUROPEAN HISTORY

Hist.	219	Medieval Europe	3	3
Hist.	220	Renaissance and Reformation	3	3
Hist.	221	Modern Europe to 1815	3	3
Hist.	222	Modern Europe since 1815	3	3
Hist.	321	History of England	3	3
Hist.	326	History of Russia	3	3

			Hours Clock	Semester
Group 3.		**REGIONAL HISTORY**		
Hist.	218	Ancient World	3	3
Hist.	322	History of the Far East	3	3
Hist.	323	History of the Middle East	3	3
Hist.	324	History of Latin America	3	3
Hist.	325	History of Twentieth Century World	3	3
Group 4.		**SOCIAL SCIENCE**		
Pol. Sci.	331	State and Local Government	3	3
Pol. Sci.	332	Comparative Government	3	3
Pol. Sci.	333	International Relations	3	3
Pol. Sci.	334	American Political Parties	3	3
Soc.	332	Contemporary Social Problems	3	3
Soc.	333	The Family	3	3
Soc.	334	Juvenile Delinquency	3	3
Soc.	335	Racial and Cultural Minorities	3	3
Ec.	332	Contemporary Economics	3	3
Ec.	333	Consumer Economics	3	3
Ec.	334	Industrial Relations	3	3
Group 5.		**GEOGRAPHY**		
Geog.	201	Conservation of Natural Resources	3	3
Geog.	207	Geography of Europe	3	3
Geog.	208	Geography of Latin America	3	3
Geog.	209	The United States in its Global Relationships	3	3
Geog.	210	Geographic Influences in American History	3	3
Geog.	307	Geography of the U. S. S. R.	3	3
Geog.	308	Trade and Transportation	3	3
Geog.	309	World Problems	3	3

3. THE HEALTH AND PHYSICAL EDUCATION CURRICULUM

Upon satisfactory completion of the requirements of this curriculum the student will be granted the degree of Bachelor of Science in Health Education by the College and will qualify for a Pennsylvania Provisional College Certificate to be issued by the Department of Public Instruction, Harrisburg, Pa. The certificate will be valid for teaching Health and Physical Education in the elementary and secondary schools of Pennsylvania for three years.

All Health and Physical Education major students must meet department extra-curricular requirements before they may attain Senior standing.

Course descriptions begin on page 142

(Sequence of courses subject to change for administrative reasons)

		Hours	
	FIRST SEMESTER	Clock	Semester
Eng. 101	English I	3	3
Eng. 103	Speech	2	2
Math. 101	Introduction to College Mathematics	3	3
Ed. 100	Professional Orientation	3	3
H. E. 151	Hygiene	3	3
H. E. 131	Aquatics I	3	1
H. E. 111	Gymnastics I	3	1
H. E. 121	Athletics I	3	1
		23	17
	SECOND SEMESTER		
Ed. 300	Audio-Visual Education	3	2
Eng. 102	English II	3	3
Eng. 104	Reading	2	2
Chem. 120	General Chemistry	5	3
Art 101	Fine Arts	3	3
H. E. 132	Aquatics II	3	1
H. E. 112	Gymnastics II	3	1
H. E. 122	Athletics II	3	1
		25	16
	THIRD SEMESTER		
Eng. 221	Literature I	3	3
Hist. 201	History of Civilization I	3	3
Ed. 250	General Psychology	3	3
Biol. 261	Anatomy and Physiology I	5	3
H. E. 241	Dancing I	3	1
H. E. 211	Gymnastics III	3	1
H. E. 221	Athletics III	3	1
		23	15

	FOURTH SEMESTER	Hours Clock	Semester
Eng. 222	Literature II	3	3
Hist. 202	History of Civilization II	3	3
Mus. 220	Fine Arts	3	3
Biol. 262	Anatomy and Physiology II	5	3
H. E. 261	History of Physical Education	2	2
H. E. 242	Dancing II	3	1
H. E. 212	Gymnastics IV	3	1
H. E. 222	Athletics IV	3	1
		25	17
	FIFTH SEMESTER		
Hist. 310	History of the United States and Pa.	3	3
H. E. 362	Physical Education for the Elementary Grades	3	2
H. E. 361	Tests, Measurements and Guidance in Health and Physical Education	3	3
H. E. 351	Human Development	3	3
H. E. 363	Applied Physiology	2	2
H. E. 321	Athletics V	3	1
H. E. 311	Gymnastics V	3	1
		20	15
	SIXTH SEMESTER		
Ed. 350	Educational Psychology	3	3
H. E. 365	Physical Activities for Atypical Children I	2	2
H. E. 364	Organization and Administration of Physical Education	3	3
H. E. 352	Methods and Materials in Health Education	3	2
H. E. 322	Athletics VI	3	1
H. E. 312	Gymnastics VI	3	1
H. E. 350	First Aid	2	2
	Elective	3	3
		22	17
	SEVENTH SEMESTER		
Ed. 480	Introduction to Philosophy	3	3
Pol. Sci. 431	American Government	3	3
H. E. 461	Physical Activities for Atypical Children II	3	2
H. E. 462	Principles of Recreation	2	2
H. E. 463	Principles of Coaching	2	2
	Electives	5	5
		18	17

	EIGHTH SEMESTER	Hours Clock	Semester
H. E. 471	Student Teaching and Direction of Student Activities	30	12
H. E. 472	Professional Practicum Including School Law	2	2
		32	14

Total Semester Hours Required for Graduation 128

Students may also elect courses in academic fields and special curricula for which they are qualified.

RECREATION LEADERSHIP

For students who desire to prepare as recreation leaders, an elective area is provided.

REQUIRED COURSES — 16 semester hours

H. E. 131	*Aquatics I	3	1
H. E. 132	*Aquatics II	3	1
H. E. 350	*First Aid	2	2
H. E. 241	*Dancing I	3	1
H. E. 242	*Dancing II	3	1
H. E. 321	*Athletics V	3	1
H. E. 322	*Athletics VI	3	1
H. E. 366	Organization and Administration of Recreation	3	3
H. E. 462	*Principles of Recreation	2	2
H. E. 464	Supervised Recreation Leadership	6	3
		31	16

ELECTIVE COURSES — 8 semester hours

(to be chosen from two or more of the following fields):

H. E. 331	Aquatic Leadership	3	2
H. E. 341	Modern Dance	2	1
H. E. 353	Advanced First Aid	2	2
H. E. 367	Arts and Crafts in Recreation	3	3
H. E. 368	Music in Recreation	3	3
H. E. 369	Dramatics in Recreation	3	3
H. E. 370	Camping and Outing	3	3

*Health and Physical Education Major students receive credit for these courses since they are required courses for the major field.

A PROGRAM OF INDEPENDENT STUDY AND SUPERVISED FIELD EXPERIENCE IN CAMPING

The Department of Health, Physical Education, and Recreation offers a special program of courses in camp leadership for staff members at children's summer camps. These courses are designed to aid the student's professional growth and knowledge through directed leadership experience with children in the informal atmosphere of the camp.

COURSES AVAILABLE

Undergraduate Students

464. Supervised Recreation Leadership — 3 credits
(6 to 8 weeks' attendance at camp July through August)

ELIGIBILITY:

Any matriculated student at West Chester State College is eligible to participate in the program. Permission of the special adviser should be obtained if credit is to be applied toward a degree. Students from other colleges may register with the permission of the course instructor. It is suggested that students enrolled at other colleges obtain the approval of their special adviser or appropriate administrative officer to assure that these courses may be applied toward degree requirements.

EDUCATION FOR SAFE LIVING (HIGHWAY SAFETY AND GENERAL SAFETY EDUCATION)

The standards for certification as approved by the State Council of Education, January 9, 1948, require twelve semester hours **for the extension of a teacher's certificate to include this field.**

The following courses are offered by the College to satisfy the course requirement in this field:

Course descriptions on pages 150-151

		Hours	
		Clock	Semester
H. E. 481	Introduction to Safety Education	3	3
H. E. 482	Driver Education and Training	3	3
H. E. 483	Psychology of Accident Prevention	3	3
H. E. 484	Methods and Materials in Safety Education	3	3
H. E. 485	Organization and Supervision in Safety Education	3	3

PRE-PHYSICAL THERAPY PROGRAM

In order to fulfill the need for personnel qualified in both Health and Physical Education and Physical Therapy, a Pre-Physical Therapy Program is offered. Upon successful completion of this program, students will be granted the Bachelor of Science Degree in Health and Physical Education and will receive endorsement for matriculation into an approved post-graduate school of Physical Therapy having a cooperative agreement with the State Teacher's College at West Chester. The entire undergraduate program will be under the supervision and guidance of a professional Registered Physical Therapist in the Health and Physical Education Department.

In addition to the requirements for the Bachelor of Science Degree in Health and Physical Education, the following special requisites must be met:

I. Filing of application for admission to the Pre-Physical Therapy Program.

II. A screening evaluation at the end of the sophomore year to include:

a. Pre-college credentials.

b. Academic, social, and emotional status during the freshman and sophomore years with special emphasis on academic attainment in all science and health courses.

c. Analysis of the college sequential testing program.

d. Testing for special interest and aptitude.

III. After attaining Junior standing, students will be required to successfully complete the special junior and senior year elective offerings as follows:

		Clock Hours	Sem. Credits
JUNIOR			
H.E. 392	Introduction to Physical Therapy	2	2
SENIOR			
H.E. 491	Pre-Physical Therapy Seminar and Observation	9	3

After graduation from the State College at West Chester and enrollment in a School of Physical Therapy, students will be required to complete a twelve months program of professional training. Upon completion of this program they will receive a Certificate in Physical Therapy granted by the Physical Therapy School and will be eligible to take national and state examinations as indicated for the practice of Physical Therapy.

4. THE MUSIC EDUCATION CURRICULUM

Upon satisfactory completion of the requirements of this curriculum the student will be granted the degree of Bachelor of Science in Music Education by the College and will qualify for a Pennsylvania Provisional College Certificate to be issued by the Department of Public Instruction, Harrisburg, Pa. The certificate will be valid for teaching music in the elementary and secondary schools of Pennsylvania for three years.

Course descriptions begin on page 160

(Sequence of courses subject to change for administrative reasons)

		Hours	
	FIRST SEMESTER	Clock	Semester
Eng. 101	English I	3	3
Eng. 103	Speech	2	2
Sci. 100	Basic Biology	4	3
Mus. 100	Foundations of Music	3	3
H. E. 107	Physical Education I (Eurythmics)	2	1
Mus. 21	Violin I	2	1
Mus. 71 or 81	Orchestra or Band	2	⅓
Mus. 61	Chorus	2	⅓
	Piano (private lesson)	½	1
	Voice (private lesson)	½	1
		21	15⅔
	SECOND SEMESTER		
Eng. 102	English II	3	3
Eng. 104	Reading	2	2
Mus. 110	Theory of Music	3	3
Mus. 211	Sight Singing	3	3
H. E. 150	Health	2	2
H. E. 207	Physical Education II (Eurythmics II)	2	1
Mus. 22	Violin II	2	1
Mus. 72 or 82	Orchestra or Band	2	⅓
Mus. 62	Chorus	2	⅓
	Piano	½	1
	Voice	½	1
		22	17⅔
	THIRD SEMESTER		
Eng. 221	Literature I	3	3
His. 201	History of Civilization I	3	3
Mus. 201	Theory of Music	3	3
Mus. 212	Sight Singing	2	2
Mus. 31-32	Clarinet (class)	2	1
Mus. 73 or 83	Orchestra or Band	2	⅓
Mus. 63	Chorus	2	⅓
	Piano	½	1
	Voice	½	1
		18	14⅔

		Hours	
	FOURTH SEMESTER	Clock	Semester
Eng. 222	Literature II	3	3
Hist. 202	History of Civilization II	3	3
Ed. 250	General Psychology	3	3
Ed. 100	Professional Orientation	3	3
Mus. 202	Theory of Music	3	3
Mus. 74 or 84	Orchestra or Band	2	⅓
Mus. 64	Chorus	2	⅓
	Piano	½	1
	Voice	½	1
		20	17⅔
	FIFTH SEMESTER		
Mus. 351	Human Development	3	3
Art 101	Fine Arts (Art)	3	3
Mus. 312	Instrumental Methods	3	2
Mus. 301	Theory of Music	3	2
H. E. 208	Physical Education III	2	1
Mus. 41-42	Trumpet (class)	2	1
Mus. 75 or 85	Orchestra or Band	2	⅓
Mus. 65	Chorus	2	⅓
Mus. 311	Secondary Music Methods	2	2
	Piano	½	1
	Voice or Instrument	½	1
		23	16⅔
	SIXTH SEMESTER		
Hist. 310	History of the United States and Pennsylvania	3	3
Ed. 350	Educational Psychology	3	3
Mus. 220	Fine Arts (Music)	3	3
Mus. 331	Choral Conducting	2	2
Mus. 76 or 86	Orchestra or Band	2	⅓
Mus. 66	Chorus	2	⅓
	Elective	2	2
	Piano	½	1
	Voice or Instrument	½	1
		18	15⅔
	SEVENTH SEMESTER		
Pol. Sci. 431	American Government	3	3
Ed. 480	Introduction to Philosophy	3	3
Mus. 233	Physical Science (Acoustics)	4	3
Mus. 310	History of Music	3	3
Mus. 332	Conducting (Instrumental)	2	2
	Major Musical Organization	2	½
	Piano, Voice, or Instrument	½	1
		17½	15½

RECITAL HALL — SWOPE HALL

	EIGHTH SEMESTER	Hours Clock	Semester
Mus. 421	Student Teaching, Direction of Student Activities, and Professional Practicum	32	12
	Elective (Applied Music)	½	1
	Piano, Voice or Instrument	½	1
	Major Musical Organization	2	½
		35	14½

Total Semester Hours Required for Graduation 128

ELECTIVES—

Mus. 320	American Music	2	2
Mus. 324	Choral Materials and Practices	2	2
Mus. 321	Counterpoint	2	2
Mus. 322	Orchestration	2	2
Mus. 323	Composition	2	2
Mus. 325	Class Piano Methods	2	2
Mus. 326	Instrumental Techniques	2	2
	Applied Music		
	Class Lesson	1	½
	Private Lesson	½	1

Students may also elect courses in academic fields and special curricula for which they are qualified.

5. DEGREE CURRICULUM FOR DENTAL HYGIENISTS

The degree of Bachelor of Science in Education will be conferred upon Dental Hygienists meeting the following requirements:

1. The possession of a valid license to practice dental hygiene in the Commonwealth of Pennsylvania issued by the State Dental Council and Examining Board and the Department of Public Instruction.

   "The professional education requirement for dental hygiene is the satisfactory completion of an approved dental hygienist course of instruction of two years of not less than thirty-two weeks of not less than thirty hours each week or its equivalent in and graduation from a dental hygiene school approved by the State Council and Examining Board."*

2. The satisfactory completion in addition thereto of 64 semester hours of professional and general education courses distributed as follows:

		Semester Hours
A. EDUCATION		11
Ed. 100	Professional Orientation	3
Ed. 250	General Psychology	3
Ed. 300	Audio-Visual Education	2
Ed. 350	Educational Psychology	3
B. GENERAL EDUCATION		43
English		
Eng. 101 or 102	English I or II	3
Eng. 103	Speech	2
Eng. 104	Reading	2
Eng. 221	Literature I	3
Eng. 222	Literature II	3
Fine Arts		
Art 101	Fine Arts	3
Mus. 220	Fine Arts	3
Geography		
Geog. 101	World Geography	3
Geog. 202	Geography of the United States and Canada	3

*Bulletin 644, 1950; Rules and Regulations for Applicants for Admission to Examination for Licensure to Practice Dentistry and Dental Hygiene and Examination Procedures.

Social Studies

		Semester Hours
Hist. 201	History of Civilization I	3
Hist. 202	History of Civilization II	3
Pol. Sci. 431	American Government	3
Ec. 331	Economics	3
Hist. 310	History of the United States and Pennsylvania	3
Soc. 331	Sociology	3

C. ELECTIVES	10
Total	64

Electives may be chosen with the approval of the Dean of Instruction from any academic field or curriculum offered at the College.

In each category, above credit will be given for equivalent courses pursued in the two year Dental Hygiene Curriculum. In such cases students must increase their electives by the number of semester hours so credited.

In the case of dental hygienists who had less than two years of specialized training on the basis of which they were licensed to practice dental hygiene, proportional credit will be given. Such persons must pursue additional general education courses in college to make up the deficiency.

Application for Admission

A dental hygienist who desires to enroll in the Degree Curriculum for Dental Hygienists should write for application blanks and information to the Director of Admissions, West Chester State College, West Chester, Pa.

Resident Requirements

The last 30 semester hours of credits must be earned at West Chester State College. Resident credits may be earned in day, evening, and Saturday classes which are offered on campus or approved by the college administration.

SUMMARY OF COSTS PER YEAR

For Students Enrolled in the Degree Curriculum for Dental Hygienists

I. Full-time Students who are legal residents of Pennsylvania*

A. Boarding at the College

Basic Fee	$200.00
Activity Fee	35.00
Books and Supplies (approximately)	80.00
Room and board	612.00
	$927.00

B. Day Students—Living at Home

Basic Fee	$200.00
Activity Fee	35.00
Books and Supplies (approximately)	80.00
	$315.00

II. Part-time Campus Students and Off-Campus Extension Students

Pennsylvania residents taking six or less semester hours shall pay at the rate of $12.50 per semester hour (minimum basic fee, $37.50). Students taking more than six hours shall pay the regular basic fee.

Students who are not residents of Pennsylvania who take six or less semester hours shall pay at the rate of $15. per semester hour (minimum basic fee, $45.).

III. Dental Hygienists are required to pay $4.00 class dues during the year in which they will graduate. This does not include the College yearbook which may be secured by special arrangement.

Fees are subject to change without notice.

For costs during summer sessions, see page 191 or the Summer Sessions Bulletin.

*Students who are **not** legal residents of Pennsylvania must pay an out-of-state tuition fee of $336.00 per year in addition to the fees listed.

DEGREE CURRICULUM FOR PUBLIC SCHOOL NURSES

The degree of Bachelor of Science in Education will be conferred upon registered nurses who meet the following requirements:

1. The satisfactory completion of a three-year curriculum in an approved school of nursing and registration by the State Board of Examiners for the Registration of Nurses of Pennsylvania.

2. All persons admitted to this degree program after September 1, 1961 will be required to satisfactorily complete sixty (60) semester hours of additional preparation distributed as follows:

A. Courses Related to Public Nursing:

		Semester Hours
PSN 300	Public School Nursing	2
PSN 302	Public Health Nursing I	3
PSN 303	Public Health Nursing II	3
PSN 304	Foundation of Nutrition	3
PSN 306	Prevention and Control of Communicable Diseases	3
	Sub Total	14

B. General Education

Eng. 102-N	English Composition	3
Eng. 104	Developmental Reading	2
Eng. 221	General Literature	3
Hist. 201 or 202	History of Civilization	3
Hist. 310	History of U. S. & Pennsylvania, 1492 — Present	3
Pol. 431	American Government	3
Sci. Soc. 331	Principles of Sociology	3
Sci. 100	Biology	3
Edu. 250	General Psychology	3
Edu. 370	Mental Hygiene	3
	Sub Total	29

C. Professional Education

Edu. 100	Professional Orientation to Public Education	3
Edu. 350	Educational Psychology	3
Edu. 331 or 352	Child Development or Adolescent Psychology	3
Edu. 306	Introduction to Counselling & Guidance	3
	Sub Total	12

D. Electives

Edu. 180	Philosophy	3	
Mus. 220	Fine Arts—Music Appreciation	3	
Art 101	Fine Arts—Art Appreciation	3	
Math 101	Introduction to College Math.	3	
Eng. 103	Speech	2	
	Any two courses for a total of not less than 5 credits		5
	Total		60

In the case of nurses with less than three years preparation for registration, such persons will pursue additional courses to meet the requirements for the degree.

Application for Admission

A registered nurse who desires to enroll in the Degree Curriculum for Public School Nurses should write for application blanks and information to the Director of Admissions, West Chester State College, West Chester, Pa.

Resident Requirements

The last 30 semester hours of credits must be earned at West Chester State College, to qualify for graduation. Resident credits may be earned in day, evening, and Saturday classes which are offered on campus or approved by the college administration.

SUMMARY OF COSTS PER YEAR

For Students Enrolled in the Degree Curriculum for Public School Nurses

I. Full-time Students who are legal residents of Pennsylvania*

A. Boarding at the College

Basic Fee	$200.00
Activity Fee	35.00
Books and Supplies (approximately)	80.00
Room and board	612.00
	$927.00

B. Day Students—Living at Home

Basic Fee	$200.00
Activity Fee	35.00
Books and Supplies (approximately)	80.00
	$315.00

II. Part-time Campus Students and Off-Campus Extension Students

Pennsylvania residents taking six or less semester hours shall pay at the rate of $12.50 per semester hour (minimum basic fee—$37.50). Students taking more than six hours shall pay the regular Basic Fee.

Students who are not residents of Pennsylvania who take six or less semester hours shall pay at the rate of $15. per semester hour (minimum basic fee, $45.).

III. Public School Nurses are required to pay $4.00 class dues during the year in which they will graduate. This does not include the College yearbook which may be secured by special arrangement.

Fees are subject to change without notice.

For costs during summer sessions, see the Summer Sessions Bulletin.

*Students who are **not** legal residents of Pennsylvania must pay an out-of-state tuition fee of $336.00 per year in addition to the fees listed.

TWO-YEAR GENERAL EDUCATION PROGRAM

Students interested in securing a two year General Education program may do so by applying for admission to the Secondary Curriculum. The College will cooperate with such students in planning a suitable program of studies which will be comparable to the first two years of work at a liberal arts college and will permit a similar degree of concentration in any of the following academic areas: English; French; German, Latin, Spanish; Geography; Mathematics, Science, Social Studies.

During the two years, a student will normally acquire 64 semester credits, 61 of which will correspond to those normally offered during the first two years of a General Education or liberal arts program. The three credit course in Professional Orientation is the only professional Education course required during the first two years of such a program. Because of its general nature, most colleges, regardless of the nature of their programs, accept the credits earned in this course as elective credits.

At the close of the two years the student enrolled in this program may choose to continue his education at West Chester and prepare to be a teacher, or he may transfer to a liberal arts college, normally with no loss of credits provided he has no below average marks. West Chester State College is fully accredited by the Middle States Association of Colleges and Secondary Schools, therefore, its credits are transferable to any college or university.

CERTIFICATION OF TEACHERS

School Laws of Pennsylvania, Section 1202.

State Certificates.

State certificates shall be issued as herein provided. Each such certificate shall set forth the branches which its holder is entitled to teach. No teacher shall teach, in any public school, any branch which he has not been properly certificated to teach.

A certificate to teach shall not be granted or issued to any person not a citizen of the United States, except in the case of exchange teachers not permanently employed and teachers employed for the purpose of teaching foreign languages.

Provisional College Certificate

A student who satisfactorily completes one of the curricula offered by the College receives his degree from the College and qualifies for a Provisional College Certificate which is issued to him upon application to the Department of Public Instruction, Harrisburg, Pa.

In the elementary field this certificate qualifies the holder to teach in the elementary schools of Pennsylvania for three years.

In the secondary field this certificate qualifies the holder to teach the subjects written thereon in the secondary schools of Pennsylvania for three years.

In health education and music education the certificate qualifies the holder to teach and supervise the special subject in both elementary and secondary schools of Pennsylvania for three years.

Permanent College Certificate

The Permanent College Certificate requires three years of successful teaching in the public schools of the Commonwealth of Pennsylvania under the Provisional College Certificate and the satisfactory completion of twelve semester hours of additional work of collegiate grade, completed subsequent to the issuance of the baccalaureate degree. One-half of the additional work must be professional in character and the remainder be related to the subject or subject fields on the certificate. This certificate is a permanent license to teach in Pennsylvania.

Extension of College Certificates

1. A college certificate valid for the secondary field may be extended to include the elementary field by completing twenty-four semester hours of approved courses in the field of elementary education, distributed as follows: a course in the teaching of reading; the remainder selected from a minimum of four of the following areas; mathematics, arts and crafts, music, physical education, language arts, sciences, social studies, geography, mental hygiene, or a course dealing with exceptional children.

2. A college certificate valid for the elementary field may be extended to include any subject of the secondary field by completing eighteen to forty semester hours in a secondary subject, depending upon the area of specialization.

3. A college certificate valid for the secondary field may be extended to include additional academic subjects when the holder has completed eighteen semester hours of approved education in each subject to be added to the certificate.

Certification in Other States

Concerning the requirements for certification for teaching in other states, students should consult the Dean of Academic Affairs.

Teachers in Service

Entrance and college credits based on teaching experience have not been granted since September 1, 1927.

Credit for student teaching other than that done under the direction of the College will not be allowed.

Credit toward entrance or toward graduation with a degree will not be allowed for experience in teaching.

Course Descriptions

DESCRIPTION OF COURSES BY DEPARTMENTS

Not all of the courses listed will be offered in any one semester or year. Whenever the demand warrants the giving of a course, an effort will be made to schedule it. Courses will be offered each semester unless otherwise indicated.

ART DEPARTMENT

MR. HALLMAN, *Chairman of the Department*

Mr. McKinney, Miss Simmendinger

Art 101. Fine Arts *3 semester hours*

Staff

This course deals essentially with the history and appreciation of the Fine Arts—painting, sculpture, and architecture. Man's artistic expression from the earliest times to the present, including modern developments in the minor arts, are also surveyed. Both semesters and summer.

Art 201. Arts and Crafts *3 semester hours*

Mr. McKinney

A course providing opportunity for creative activity in the arts and crafts. Special emphasis given to camp, playground, or recreational needs. Both semesters and summer.

Art 202. Art for the Elementary Grades *3 semester hours*

Mr. McKinney, Miss Simmendinger

This course provides opportunity for the student to develop his powers of self-expression, to gain experience in the use of the fundamental elements and principles of art structure related to two dimensional and three dimensional expression, to establish a basis for an understanding and evaluation of children's work, and to gain a comprehensive knowledge of the school art program. Fall semester, spring semester, summer.

Art 301. Problems in Art Education *3 semester hours*

Mr. Hallman

An advanced course designed to develop a basic understanding of the implications of art as an integral part of general education, and to provide opportunity to develop a complete program of art in a school situation. It is intended to aid the elementary teacher to provide better instruction in art with or without the aid of a supervisor of art. Prerequisites: Art for the Elementary Grades and Teaching Art in Elementary Grades. Fall semester and summer session.

Art 302. Creative Art *3 semester hours*

Mr. Hallman

An elective course which aims to develop expression in drawing, painting, or other art activity. Activities arranged with regard to the individual interests of the student. No prerequisites. Spring semester.

EDUCATION DEPARTMENT

DR. BENDA, *Chairman of the Department*

Dr. Bonder, Dr. Evans, Mr. Patterson, Mr. Childers, Mrs. Martin, Mrs. Haas, Dr. Gregg, Dr. Weagley, Dr. Hill, Miss King, Dr. Bannon, Mr. Studenmund, Mr. Strayer, Mr. Emery, Dr. Micken, Mr. Hires, Mr. Herres, Mr. Freeman

Ed. 100. Professional Orientation *3 semester hours*

Dr. Benda and Staff

An orientation and guidance course acquainting prospective teachers with the opportunities and requirements of the profession; the relationship of the school to society; the organization and administration of the American school system. Extensive directed observation of various schools and learning situations will be required. Both semesters and summer session.

Ed. 250. General Psychology *3 semester hours*

Staff

A comprehensive study of the origins, motives, and modifications of human behavior with emphasis on the scientific approach in analyzing behavior patterns; the importance of man's biological inheritance, and the significance of social environment in influencing human living. Attention is given to the simpler techniques in psychological experimentation. Both semesters and summer session.

Ed. 300. Audio-Visual Education *2 semester hours*

Dr. Weagley, Mr. Strayer

Consideration of the need for sensory techniques and materials in the learning process with attention given to the psychological principles involved. Acquaintance with and achievement of skills in specific techniques, materials, and equipment. Activities will include actual production of materials for classroom use and participation in their use. Both semesters and summer session.

Ed. 301. Pre-School Education *3 semester hours*

Mrs. Kulp

Study of pre-school and kindergarten children, of nursery school and kindergarten programs, materials, equipment and procedures, records and reports. Laboratory school experiences supplement reading and dis-

cussion of acceptable standards and teaching practices. Fall semester and summer session.

Ed. 302. Problems of Secondary Education Including Guidance *3 semester hours*

Dr. Bonder

This course is designed to acquaint students, who are preparing to teach on the secondary level, with the basic problems and responsibilities found within the framework of a secondary school. The course includes some phase of guidance. Consideration is given to the essentials and principles of a guidance program and the role the teacher is expected to play within the overall guidance organization. Both semesters.

Ed. 303. Creative Activities in the Elementary School *3 semester hours*

Mr. Herres

Consideration of the guidance of children in creative learning and expression. Emphasis upon the child's needs to discover creative interest and upon the development of skills and refinements of taste needed for rich experience in art, music, and literature. Spring semester and summer session.

Ed. 306. Introduction to Guidance and Counselling *3 semester hours*

Dr. Hill

A study of the techniques for analyzing the interests, aptitudes, and abilities of children and the methods for guiding them in making sound vocational choices.

Information will be gathered and studies made regarding a wide variety of occupational and professional areas. Fall semester and summer session.

Ed. 307. Diagnostic and Remedial Reading *3 semester hours*

Mr. Patterson, Mrs. Kulp

Recent research in the field of reading to acquaint students with problems and needs common to incompetent readers and with the most successful materials and techniques for dealing with such problems. Demonstration and practice in testing, planning, and directing remedial programs with groups and individuals. Prerequisite: Teaching of Reading. Spring semester and summer session.

Ed. 309. Language Arts *9 semester hours*

Mrs. Haas, Miss King

Preparation of teachers for the development of the child's abilities in oral and written communication. Provides knowledge of the nature of

eading processes and materials of instruction. Essential techniques and materials of language, including handwriting and spelling, to teach the child knowledge and skills in the fundamentals of oral and written communications. Children's Literature is explored to acquaint the prospective teacher with appropriate materials. Both semesters.

Ed. 310. School and Community *3 semester hours*

Mrs. Martin, Mr. Studenmund

Study of group and intergroup activities and the role of the individual in the group; of community interests, needs, resources and problems; of teacher responsibility in community activities; professional, social, civic, religious, and political. Student participation in community activities is stressed. Spring semester and summer session.

Ed. 317. Teaching of Language Arts *3 semester hours*

Miss King, Mr. Herres, Mrs. Haas

Survey of the content of the curriculum in English in the elementary grades; methods of teaching oral and written composition, principles of grammar, poetry, and literature. The teaching of handwriting is part of this course. Both semesters and summer session.

Ed. 318. Reading in the Secondary School *3 semester hours*

Staff

A basic course for teachers of reading on the secondary school level. Special help is given in the basic reading and study skills and the techniques for improving rate and comprehension. The course is planned to help the teacher provide a developmental reading program with respect to content subject matter. Prerequisites: Educational Psychology. Summer session only.

Ed. 319. Teaching of Reading *3 semester hours*

Mr. Patterson, Mrs. Haas, Mrs. Kulp

Scientific aspects of reading and problems in the teaching of reading in all elementary grades. Presentation in theory and practice, from careful examination of research and from observation. Opportunity for the student to acquaint himself with a variety of modern reading materials and with approved techniques in their use. Problems of disability and their treatment. Both semesters and summer session.

Ed. 320. Social Studies and Geography *3 semester hours*

Mrs. Shur

A course designed to acquaint students with up-to-date methods of teaching social studies and geography as an integrated program in the new elementary curriculum. It is a survey of methods and techniques, stressing the profitable use of community affairs and resources, and the development of good civic attitudes in social living. It considers tech-

McCARTHY HALL: WOMEN'S DORMITORY

niques in the use of maps, specimens, pictures, and other tools of learning which are of special value in social studies and geography. The course gives actual experience in the analysis of current events, the organization of projects and field trips, and the development of units of work with respect to the various grade levels in the elementary school. Both semesters and summer session.

Ed. 330. Teaching the Exceptional Child *3 semester hours*

Mr. Freeman

The study of atypical children who need help in order to adjust and succeed to the extent of their capacity. Students are guided in recognizing, understanding and dealing with the additional needs of the physically or mentally handicapped child and the superior child, and in fostering their social and emotional development. Attention is directed to the selection of learning aids and materials and the adaptation of teaching techniques in the normal classroom situation. Pre-requisite: General Psychology. Both semesters and summer session.

Ed. 350. Educational Psychology *3 semester hours*

Staff

The nature of the learning process with emphasis on the application of the principles of psychology to the problems of learning and teaching. An important aspect of the course is the study of actual classroom problems and procedures by observation of regular work and by special illustrative demonstrations in the laboratory school. Prerequisite: General Psychology. Both semesters and summer session.

Ed. 351. Human Development (Childhood)

3 semester hours

Miss King

Three main strands comprise this course: methods of studying children and observation of children in various situations; aspects of growth in childhood (physical, mental, emotional, and social) and their interrelationship; and characteristic development and behavior at various age levels from birth to adolescence. Both semesters and summer sessions.

Ed. 352. Human Development (Adolescence)

3 semester hours

Dr. Benda, Dr. Gregg, Dr. Hill

This course is concerned with a practical understanding of personality development, maturation, and problems of the adolescent. Attention is given to the inter-relationship of physical, emotional, and social growth within the context of such social institutions as the home, school, and community. Prerequisite: General Psychology. Fall semester and summer session.

Ed. 353. Child Adjustment *3 semester hours*

Miss King, Dr. Micken

Application of the principles of mental hygiene to the problems of elementary school children in home, school and community. Emphasis is directed toward an understanding of the causative factors in children's behavior, an intensive study of emotional development, and a critical analysis of typical classroom situations. Fall semester and summer session.

Ed. 370. Mental Hygiene *3 semester hours*

Mr. Studenmund

This course attempts to analyze the individual from several standpoints according to the principles of mental hygiene. The practical phase of the course is the application of these principles to the individual's problems of adjustment to the school and society. Field trips are also included in the course content. Fall semester and summer session.

Ed. 380. Ethics *3 semester hours*

Dr. Benda

The course in ethics is concerned with the development of principles of right conduct and practical systems of social morality. It has to do with the human values and the development of moral standards both for the individual and society. Basically it seeks answers to such moral problems as the following: What conduct shall we choose and from what shall we refrain? What shall we fight for and what against? The methods used will involve lectures, discussions, readings, and reports. Spring semester and summer session.

Ed. 400. Professional Practicum Including School Law

2 semester hours

Supervisors of Student Teaching

Methods and practices of teaching; general techniques of teaching and techniques for the students' special fields; Pennsylvania school laws relevant to the work of the classroom teacher; problems encountered by the students in their student teaching. Both semesters and summer session.

Ed. 401. Problems of Elementary Education

3 semester hours

Mrs. Haas, Mr. Herres

This course deals with the educative process as a functional relationship between the learner and his environment aided by organized learning situations. An attempt is made to draw together all the methods in terms of basic curriculum principles for the modern elementary school. The prospective teacher is introduced to the scope of the teacher's day-to-day responsibilities and helped to develop insight into how these responsibilities can be carried out effectively. Fall semester.

Ed. 410. Student Teaching and Direction of Student Activities *12 semester hours*

Supervisors

Observation and participation in all teaching and activities related to the performance of a teacher's work, in the area of the student's specialization. Both semesters and summer session.

Ed. 441W. Workshop in Elementary Education *4 semester hours*

Dr. Evans, Mr. Childers

A course designed for college graduates and teachers-in-service. Newer ideas and practices in teaching are evaluated. Materials of instruction and courses of study are examined. Opportunity is given enrollees to work on individual and group problems. Children are observed in the Campus Demonstration School. Course is offered in the regular summer session only.

Ed. 451. Tests and Measurements in Guidance *3 semester hours*

Dr. Hill and Staff

A survey of testing materials and procedures with emphasis on the interpretation and application of results for pupil guidance purposes. Areas studied will include examination of various types of testing materials, criteria for selection, techniques for summarizing data, organization, administration, and evaluation of the testing program. Prerequisite: General Psychology. Spring semester and summer session.

Ed. 480. Introduction to Philosophy *3 semester hours*

Dr. Bonder, Dr. Bannon

This course is divided into three distinct categories: (1) a discussion of the meanings and implications of the outstanding philosophies, (2) a comparative analysis of the corresponding works of philosophers, and (3) a discussion of the relation between philosophy and modern life with the ultimate aim that each student will develop a personal overall philosophy. Both semesters.

Sp. Ed. 341. Psychology of Exceptional Children *3 credits*

Mr. Freeman

Psychology of children having superior or inferior intellectual ability; defective vision, hearing and speech; emotional, social and physical handicaps. Spring semester.

Sp. Ed. 342. Arts and Crafts for Atypical Children *2 credits*

Mr. McKinney, Mrs. Ring

A course designed to give the students background in the creative art process and how it can be developed in the atypical child. Students

participate in Field-trips and art activities specifically designed for both the mentally retarded and the physically handicapped child. Spring semester.

Sp. Ed. 343. Psychology of the Mentally Retarded *3 credits*
Mr. Freeman

A survey of the psychological development of mentally retarded children with special emphasis on socio-economic, cultural, emotional and educational factors which influence their behavior. Fall semester.

Sp. Ed. 344. Problems in Special Education *2 credits*
Mr. Freeman

A study of significant problems in the field of Special Education. Topics for special study include: articulation of primary and secondary programs interpretation of special education program to parents, school personnel, and the community; development of community resources to meet the need of the atypical children, selection of pupils and problems of organization. Spring semester.

Sp. Ed. 348. Methods and Materials for Mentally Retarded *3 credits*
Mr. Freeman

Course dealing with the effective methods of teaching mentally retarded children, the development of programs of study, classroom techniques, adaptation of materials and appraisal of results. Fall semester.

Sp. Ed. 349. Methods and Materials for Physically Handicapped *3 credits*
Mr. Freeman

A course dealing with the effective methods of teaching physically handicapped children the development of programs of study, adaptation of materials and appraisal of results. Fall semester.

Sp. Ed. 340. Workshop in Special Education *6 credits*
Mr. Freeman

The Workshop will provide an opportunity to undertake an intensive program of observation and instruction of mentally retarded or physically handicapped children. Actual instructional experience with an atypical child will be combined with lecture, demonstration and case study. Summer session.

ENGLISH AND FOREIGN LANGUAGE DEPARTMENT

DR. SLAGLE, *Chairman of the Department*

DR. ROBERTS, *Vice-chairman*

Miss Tyson, Miss Ramsey, Mr. Thomas, Dr. Berry, Mr. Clokey, Dr. Binney, Mr. Landrum, Mrs. Faucett, Dr. Bailey, Mr. McEntire, Mrs. Lewis, Mr. Henry, Mr. Baron, Mr. Bruehl, Mr. Ford, Dr. Pazuniak, Mrs. Spadoni

Eng. 101-103. Communication I *5 semester hours*

Dr. Binney, Director: Members of the Department

A study of communication providing both vicarious and direct development of abilities for personal expression. Extensive practice in reading, speaking, and writing in the language and form appropriate to social and professional situations, and instruction in the use of formal and informal discussion techniques. Library usage, taught by a member of the library staff, to orient the student to the resources and use of the college library. Both semesters.

Eng. 102-104. Communication II *5 semester hours*

Dr. Binney, Director: Members of the Department

A second semester's work in communication, including the refinement and extension of skills and techniques of Communication I, with special emphasis on the basic reading and writing skills appropriate to the various fields of learning. Prerequisite: Communication I. Both semesters.

English Composition

Eng. 101. English I—Grammar *3 semester hours*

Dr. Binney, Director: Members of the Department

Review of grammar in detail, analysis of construction, functional practice in mechanics of English; vocabulary study and spelling. The writing and analysis of brief compositions for structural faults and errors in diction. Library usage, a separate unit in addition to English I—an introduction to the use of the library—taught by a member of the college library staff. Both semesters and summer session.

Eng. 102. English II—Composition *3 semester hours*

Dr. Binney, Director: Members of the Department

Study and application of the laws of composition; methods and types of exposition; description and narration; paragraph and theme writing; analysis of literary samples; book reviewing; outlining; detailed study of techniques of research and the writing of an original research paper. Continued functional practice in mechanics. Prerequisite. English I. Both semesters and summer session.

Eng. 103. Speech *2 semester hours*

Miss Tyson, Director: Members of the Department

Study and application of fundamental principles of effective speaking; training in selection, organization, and development of material suitable for speeches; analysis of voice; emphasis on personality adjustment as related to speaking-listening situations; and vocabulary building. Special emphasis also given to group discussion and parliamentary procedures. Both semesters.

Eng. 104. Reading *2 semester hours*

Dr. Binney, Director: Members of the Department

Emphasis upon improvement of general reading with special consideration upon choosing central ideas and upon directive and comprehensive aspects of silent and oral reading. Both semesters.

Eng. 211. Journalism *3 semester hours*

Dr. Berry

The organization, management, and supervision of the content of school publications; the preparation of school publicity materials and the development of journalistic style through practical participation in journalistic activities. Fall semester.

Eng. 312. Advanced Composition *3 semester hours*

Dr. Binney

Advanced experience in writing through the preparation of reviews, digests, and critical reports, employing expository, descriptive, and argumentative techniques. Spring semester of odd years.

Eng. 313. Creative Writing *3 semester hours*

Dr. Binney

An advanced course for students of marked ability in the creative processes of writing. The development of creative ability, the improve-

ment of the student's own style, and the furnishing of methods and materials for the teaching of composition in the secondary schools. Fall semester of even years.

Eng. 314. English Philology and Grammar *3 semester hours*

Dr. Bailey, Mr. Clokey

A course introducing students to the historical study of the development of modern English and the discernible trends in language today through the use of exercises in phonetics, etymology, and dictionary usage. Fall semester.

Eng. 315. Teaching English in Secondary Schools *3 semester hours*

Dr. Bailey, Dr. Slagle

A review of the content of language-arts requirements of the secondary school, with special reference to grade-placement with adaptation of materials, appraisal of results, and the development of programs of study. Spring semester.

Literature

Eng. 221. General Literature I *3 semester hours*

Mr. Landrum, Director: Members of the Department

An introduction to literature providing opportunities for intensive reading in a wide variety of literary figures. The purpose is to familiarize students with the development of human thought as it has been expressed in Western literature from Homer to Shakespeare. Fall semester.

Eng. 222. General Literature II *3 semester hours*

Mr. Landrum, Director: Members of the Department

Milton to the present. Spring semester.

Eng. 223. American Literature *3 semester hours*

Dr. Bailey, Dr. Berry

A survey of representative American writings from Colonial times to the present, particular attention being given those writings which best exemplify democratic ideals and national character. Both semesters.

Eng. 224. English Literature I *3 semester hours*

Dr. Slagle, Mr. Thomas

English literature surveyed from Anglo-Saxon times to Robert Burns, with emphasis on recognized major works. Two basic aims: (1) to develop broader knowledge of the growth of English Literature and its relation to historical movements, and (2) to provide wide reading for more intelligent appreciation. Fall semester.

Eng. 225. English Literature II *3 semester hours*

Dr. Slagle, Mr. Thomas

English literature surveyed from Robert Burns to the present. Spring semester.

Eng. 326. American Poetry *3 semester hours*

Dr. Binney

An examination of the nature, form, and function of verse as exemplified by representative American poets, with particular reference to social backgrounds and national ideals. Fall semester of even years.

Eng. 327. American Prose *3 semester hours*

Dr. Bailey

A study of the development of national ideals as expressed by representative prose masterpieces, with extensive critical reading in current periodicals as well as intensive study of great works of the past. Spring semester of even years.

Eng. 328. Children's Literature *3 semester hours*

Dr. Slagle, Mrs. Faucett

An introduction to important children's books, old and new, and to techniques for presentation of book material, the encouragement of wide reading of juvenile literature and provision of criteria for and experience in the evaluation of children's books. Both semesters.

Eng. 331. Pre-Shakespearean Literature *3 semester hours*

Miss Ramsey, Mr. Baron

A study of the cultural background of the English-speaking race, its folk-ways, legends, balladry, and history, particularly, as reflected in **Beowulf**, the Arthurian cycle, Chaucer, and Spenser. Fall semester of odd years.

Eng. 332. Shakespeare *3 semester hours*

Miss Ramsey, Mr. Baron

A study of selected comedies, tragedies, and histories, by Shakespeare, together with the social, historical, and literary background necessary for their full appreciation. Particular reference to those plays most frequently included in secondary school curricula. Spring semester of odd years.

Eng. 333. Eighteenth Century Literature *3 semester hours*

Dr. Slagle

A critical consideration of significant eighteenth-century writers with emphasis upon the struggle between tradition and revolt as reflected in the works of the representative writers of the period. Fall semester of odd years.

Eng. 334. The Romantic Movement *3 semester hours*

Dr. Bailey, Mr. Clokey

A study of Wordsworth, Coleridge, Byron, Shelley, Keats, and their contemporaries in the light of social background and biographical and critical doctrine. Fall semester of even years.

Eng. 335. Victorian Literature *3 semester hours*

Dr. Bailey, Mr. Thomas

A study of Victorian culture as the reflection of conflict and compromise through its interpretations by poets and essayists of the period with particular reference to the writing of Ruskin, Newman, Mill, Huxley, Arnold, Tennyson, and Browning. Spring semester of even years.

Eng. 341. The Novel to 1870 *3 semester hours*

Dr. Slagle, Dr. Bailey

A study of the rise and development of the novel in English from its predecessors of the eighteenth century to Hardy and Mark Twain. The reading of a selected list of novels for analysis with a view to cultivating an appreciation of this dominant literary form. Spring semester of odd years.

Eng. 342. Contemporary Novel *3 semester hours*

Dr. Slagle, Dr. Bailey

A study of modern and contemporary movements in fiction, based on the critical reading and analysis of English and American novels published since 1870. Fall semester of even years.

Eng. 343. Contemporary Poetry *3 semester hours*
Dr. Binney

An examination of representative poetry published since 1870 in both England and America and a study of forms, aspects, and tendencies in contemporary verse, with particular reference to poetry as a criticism of modern life. Fall semester of odd years.

Eng. 344. Modern Drama *3 semester hours*
Miss Ramsey

A comprehensive view of the best dramatic literature of modern European, American, and British theatre since 1890 presented through lectures, discussions, and experiences related to the contemporary stage. Spring semester of even years.

Eng. 345. Criticism *3 semester hours*
Dr. Binney

An historical study of literary criticism and aesthetic theory, with emphasis upon romanticism and classicism of critical canon. Fall semester of odd years.

Eng. 346. Essay *3 semester hours*
Dr. Berry, Dr. Binney

A study of the history and development of the essay as a distinctive literary form, together with readings in current periodical non-fiction, and provision for opportunities for self-expression through writing. Spring semester of odd years.

Eng. 347. Literature of Biography *3 semester hours*
Dr. Binney, Dr. Bailey

A study of the historical development of biographical writing with readings from Plutarch, Boswell, Carlyle, Macaulay, Strachey, Bradford, Ludwig, and standard contemporary biographers. Spring semester of even years.

Eng. 348. Short Story *3 semester hours*
Dr. Slagle, Mr. Clokey

A study of the development of the short story as a distinct and popular current literary form through its history and technique. The investigation of recent tendencies and the encouragement of wide reading in current periodicals. Spring semester of odd years.

Eng. 351. Play Production *3 semester hours*
Mr. McEntire

A fundamental course in the theory and practice of acting and directing experiences designed to stimulate the cultural and social develop-

ment of the student and to aid the prospective teacher who will be called upon to produce plays. Text material in technique, reading and discussion of examples of dramatic literature, and laboratory practice in life study, pantomime, interpretation of lines, and the production of one-act plays. Fall semester of even years.

Eng. 352. Dramatics in the Elementary Grades *3 semester hours*

Mr. McEntire

A course dealing with the techniques of dramatic-play, dramatization, and play production. Discussion of the educational principles underlying the choice of the form to be used with children in the kindergarten and elementary grades. Spring semester of even years.

Eng. 353. Speech Problems *3 semester hours*

Miss Tyson

A survey course introducing students to the various speech problems common to children in the public schools. Emphasis is placed upon the theory of the symptoms, cause, and remedial treatments used by the classroom teacher in improving the speech of all children. Both semesters.

Eng. 354. Choral Speaking *3 semester hours*

Miss Tyson

A course aiming, through the communal voicing of poetry, to stimulate appreciation, interpretation, and artistic expression of poetry; to demonstrate the educational and social value of unison speech; and to train choral leaders in the techniques of choir conducting and in the selection and treatment of materials. Spring semester of even years.

Eng. Little Theatre Workshop *½ sem. hr. per sem. May be repeated each semester*

Students enroll for work on the major productions of the Little Theatre. Credit given for satisfactory work in acting or production or both, as arranged. May be repeated each semester. **Note:** open to any student regardless of year or previous theatre experience. Students not enrolled formally are permitted to work in the theatre program without credit.

Eng. Play Production *3 semester hours*

A first course in directing plays and other theatre presentations. Lectures, discussions, readings, and the production by each student of a one-act play or scene from a longer play. Emphasis given to planning, analysis, casting, rehearsal procedures, and theatre management. General stress upon development of professional and artistic standards. Some attention given to technical production. Special assignments may be

arranged by students interested in musical comedy, opera, children's, or other special fields of production. Fall semester.

Eng. Dramatics in the Elementary Grades *3 semester hours*

Theory, technique, and practice of theatre production in grades one through eight; emphasis upon creating, rehearsing, and staging various types and styles of theatre for children. Lectures, discussions, visits to classrooms and theatre presentations. Practical experience and observation in the children's play presented annually by the college theatre. Spring semester.

French

Fr. 101. Elementary French I *3 semester hours*

Dr. Roberts and department

A study of the fundamentals of French grammar, syntax, and pronunciation. Introduction to French culture through easy reading texts. Fall semester.

Fr. 102. Elementary French II *3 semester hours*

Dr. Roberts and department

A continuation of French 101 with increased emphasis on reading and conversation in French. Spring semester.

Fr. 103. Intermediate French I *3 semester hours*

Dr. Roberts and staff

An intensive review of grammar and syntax. Selected readings in French literature to serve as a basis for class discussion in French and practice in composition. Prerequisite: Fr. 102 or equivalent.

Fr. 104. Intermediate French II *3 semester hours*

Dr. Roberts and staff

A continuation of French 103 with more extensive practice in composition and conversation.

Fr. 201. Survey of Literature I *3 semester hours*

Dr. Roberts and staff

A study of the development of French literature and civilization from their earliest beginnings to the French Revolution. Prerequisite: Fr. 104 or the equivalent.

Fr. 202. Survey of Literature II *3 semester hours*

Dr. Roberts and staff

A study of the development of French literature and civilization from the French Revolution to the present. Prerequisite: Fr. 104 or the equivalent.

Fr. 301. Advanced Language and Techniques
3 semester hours

Dr. Roberts and staff

An introduction to the problems, methods and materials involved in the teaching of French. Prerequisite: Fr. 104 or the equivalent.

Fr. 302. Advanced Oral French *3 semester hours*

Dr. Roberts and staff

An intensive analysis of the sounds of French and extensive practice in oral expression aimed at developing a command of spoken French. Prerequisite: Fr. 104 or the equivalent.

Fr. 401. French Literature of the 18th Century
3 semester hours

Dr. Roberts and staff

A study of the evolution of the various literary genres in France in the 18th century with particular attention to the works of Voltaire, Rousseau, Montesquieu and Diderot. Prerequisite: Fr. 201.

Fr. 402. French Literature of the 19th Century
3 semester hours

Dr. Roberts and staff

A study of the development of the various literary movements of the nineteenth century as manifested in the poetry, drama and novel of the period. Prerequisite: Fr. 202.

***Fr. 403. Contemporary French Literature**
3 semester hours

Dr. Roberts and staff

A study of the works of the outstanding literary figures of the twentieth century and of the various philosophico-esthetic movements which have contributed to their development. Prerequisite: Fr. 202.

***Fr. 404. French Classical Drama** *3 semester hours*

Dr. Roberts and staff

A study of the masterpieces of Corneille, Racine and Moliere. Prerequisite: Fr. 201.

*Fr. 403 and 404 will not be given in 1960-61.

SPANISH

Sp. 101. Elementary Spanish I *3 semester hours*

Mrs. Spadoni and staff

A study of the fundamentals of Spanish grammar, syntax and pronunciation. Introduction to Spanish culture through easy reading texts.

Sp. 102. Elementary Spanish II *3 semester hours*
Mrs. Spadoni and staff

A continuation of Spanish 101 with emphasis on reading and conversation in Spanish.

Sp. 103. Intermediate Spanish I *3 semester hours*
Mrs. Spadoni and staff

A review of Spanish grammar and syntax. Selected readings in Spanish literature to serve as a basis for class discussion in Spanish and practice in composition. Prerequisite: Sp. 102 or equivalent.

Sp. 104. Intermediate Spanish II *3 semester hours*
Mrs. Spadoni and staff

A continuation of Spanish 103 with more extensive practice in composition and conversation.

Sp. 201. Survey of Literature (Golden Age)
3 semester hours
Mrs. Spadoni and staff

A study of the masterpieces of Spanish literature from its earliest beginnings to the 18th century with special emphasis on the literature of the Golden Age. Prerequisite: Sp. 104 or the equivalent.

Sp. 202. Survey of Literature (Since 1800)
3 semester hours
Mrs. Spadoni and staff

A study of the masterpieces of Spanish Literature from 1800 to the present. Prerequisite: Sp. 104 or the equivalent.

GERMAN

Ger. 101. Elementary German I *3 semester hours*
Staff.

A study of the fundamentals of German grammar, syntax and pronunciation. Introduction to German culture through easy reading texts.

Ger. 102. Elementary German II *3 semester hours*
Staff

A continuation of German 101 with increased emphasis on reading and conversation in German.

Ger. 103. Intermediate German I *3 semester hours*
Staff

A review of grammar and syntax. Selected readings in German liter-

ature to serve as a basis for class discussion in German and practice in composition. Prerequisite: Ger. 102 or the equivalent.

Ger. 104. Intermediate German II *3 semester hours*
Staff

A continuation of German 103 with more extensive practice in composition and conversation.

Ger. 201. Advanced Readings in German Literature *3 semester hours*
Staff

A study of selected masterpieces of German literature in preparation for the reading of "Faust". Prerequisite: Ger. 104 or the equivalent.

Ger. 202. Goethe *3 semester hours*
Staff

A reading and discussion of Goethe's "Faust" and a study of the author's background and literary development. Prerequisite: Ger. 201.

RUSSIAN

(All Russian courses are elective)

Russ. 101. Beginning Russian I *3 semester hours*
Dr. Pazuniak

A study of the fundamentals of Russian grammar, syntax and pronunciation.

Russ. 102. Beginning Russian II *3 semester hours*
Dr. Pazuniak

A continuation of Russian 101 with increased emphasis on reading and conversation in Russian.

Russ. 103. Intermediate Russian I *3 semester hours*
Dr. Pazuniak

A grammar review with selected readings in Russian literature to serve as a basis for class discussion in Russian and practice in composition. Prerequisite: Russ. 102 or the equivalent.

Russ. 104. Intermediate Russian II *3 semester hours*
Dr. Pazuniak

A continuation of Russ. 103 with more extensive practice in composition and conversation.

LATIN

To specialize in Latin, students must present not less than two years of secondary school Latin or Beginning Latin I and II and demonstrate competence to specialize in this field. Beginning Latin I and II will not be credited toward a Latin teaching field.

The prerequisite for all advanced Latin courses are Latin 103 or 104 or their equivalent.

Lat. 101. Beginning Latin I *3 semester hours*
Mrs. Lewis

A course for students who have had no previous Latin, consisting of study of the fundamentals of syntax, of vocabulary building, and of sentence structure. The reading of easy Latin. The significance of Rome to our times through lectures and outside reading. No credit allowed until the completion of Beginning Latin II. Fall Semester.

Lat. 102. Beginning Latin II *3 semester hours*
Mrs. Lewis

A continuation of Beginning Latin I. The study of form, of syntax, and of vocabulary begun in the preceding semester. Caesar: Selections from the Gallic War. Reading in the Latin word order to repeat vocabulary, forms, and syntax. The use of many supplementary materials — pictures, slides, songs, and word derivations — in each course. A study of Roman mythology. Spring semester.

Lat. 103. Ovid and Virgil *3 semester hours*
Mrs. Lewis

A course combining the study of Ovid with a review of mythology and including a study of the meter of Ovid and Virgil and Latin pronunciation. Poetical diction, rhetorical figures, and syntax. Study of the epic and elegy. Fall semester.

Lat. 104. Livy *3 semester hours*
Mrs. Lewis

Selections from the History. Syntax, standards of Latin prose literature, historical background of text. Spring semester.

Lat. 201. Cicero and Tacitus *3 semester hours*
Mrs. Lewis

A course based upon Cicero's "De Amicitia" and "De Senectute" and selections from Tacitus; a presentation of Roman philosophical systems, Roman religious customs, and Roman training for public life. Fall semester.

CLASSROOM, SWOPE HALL

Lat. 202. Horace *3 semester hours*

Mrs. Lewis

Odes and Epodes: grammatical and rhetorical figures; advanced prosody. Lyric poetry in Latin literature. Spring semester.

Lat. 301. Plautus and Terence *3 semester hours*

Mrs. Lewis

Comedy in Latin Literature. Plautus: "Captivi"; Terence: "Phormio". Roman amusement, holidays and dress. Fall semester.

Lat. 302. Roman Civilization *3 semester hours*

Mrs. Lewis

A survey course concerning the development of Latin literature from its origin, but placing emphasis only on those authors not previously read: Lucretius, Catullus, Martial, Tacitus, Juvenal, Pliny. A unit in methods consisting of a discussion of text books for high schools and the preparation of bibliographical material on the teaching of Latin. Spring semester.

GEOGRAPHY DEPARTMENT

DR. KEINARD, *Chairman of the Department*

Mr. Hawthorne, Dr. Langdon

Geog. 101. World Geography *3 semester hours*

Staff.

A course to develop a knowledge and appreciation of patterns of the natural environment throughout the world such as patterns of climate, soil, vegetation, and man's adjustment to them, with special emphasis upon man's economic cultural responses. Both semesters and summer session.

Geog. 102. Geography of the United States and Pennsylvania *3 semester hours*

Dr. Keinard and staff

A comprehensive treatment of the adjustment of the people of Pennsylvania and the United States to the physical factors — structure, relief, climate, vegetation, soils, and natural resources—which help to explain the distribution of population, land use, products, and trade within the United States and with other parts of the world. Prerequisite: World Geography. Spring semester and summer session.

Geog. 201. Conservation of Natural Resources *3 semester hours*

Dr. Langdon

A course dealing with the present problems in the conservation of our natural resources of land, water, plant, animal life, and mineral deposits,

ways of solving these problems, and the wise use of these resources. Spring semester.

Geog. 202. Geography of United States and Canada *3 semester hours*

Dr. Keinard

A regional study of the United States and Canada relative to man's adjustments to his environment as determined by the physical factors of climate, vegetation, relief, and soils. Recognition of the political adjustments to the geographic environments and the interrelations between the two countries and the rest of the world. Prerequisite: World Geography. Fall semester.

Geog. 203. Economic Geography *3 semester hours*

Mr. Hawthorne

The increasing competition for the world's goods in relation to the growing world population and changing political climate of certain areas is discussed. The course also deals with modern trends and problems associated with the economic growth of the United States. Every effort is made to keep up with the changing wants and needs of man in regards to agriculture, industry and world resources.

Geog. 204. Geography of Pennsylvania *3 semester hours*

Dr. Langdon

A regional study of Pennsylvania, emphasizing man's cultural and economic responses to environmental factors. Special attention is given to the resources of the state, analyzing their extent, their use, and need for their conservation, and the regional planning program for the Commonwealth. Spring semester of even years.

Geog. 205. Physiography *3 semester hours*

Dr. Keinard

A study of various land forms, soils, and minerals; their origin, their changes, and their relation to man. Field trips are required. Prerequisite: World Geography. Fall semester of even years and summer session.

Geog. 206. Meteorology *3 semester hours*

Dr. Keinard

Meteorology is a study of the atmosphere. This course analyzes the laws and underlying principals of atmospheric changes. An opportunity is given for students to become familiar with common weather instruments, to read and interpret weather maps, to observe and record weather data, and discuss problems rising from the use of the atmosphere as a medium of travel and transportation. Prerequisite: World Geography. Spring semester of even years

Geog. 207. Geography of Europe *3 semester hours*
Dr. Langdon

A course which aims to help students acquire an ability to look for, find, and apply the geographic relationships underlying land uses, dominant international problems, and boundary disputes, thus enabling students to obtain an unbiased understanding of the economic problems of Europe. The Soviet Union is not included in this course. Prerequisite: World Geography. Spring semester.

Geog. 208. Geography of Latin America *3 semester hours*
Dr. Langdon

A regional study is made of Middle and South America, emphasizing man's responses to environmental factors such as climate, landforms, resources and the like. Special emphasis is given to regional differences and similarities. Latin American relations with other nations, especially with the United States, are stressed. Prerequisite: World Geography. Fall semester.

Geog. 209. The United States in Its Global Relationships
3 semester hours

Mr. Hawthorne

This course deals with the changing economic patterns within the United States that are developing to meet the new economic and strategic situations in the rest of the world. The geography of the United States will be analyzed in its world relations with emphasis on our interdependence with the world of nations, both politically and economically. Fall semester of odd years.

Geog. 210. Geographic Influences in American History
3 semester hours

Mr. Hawthorne

A study of the relationships of the natural geographic factors in the settlement, development and progress of the United States from the time of discovery to its present day position as a world power. Major emphasis is placed upon the United States; although parts of the course such as the study of World War II and our present worldwide interests and commitments of necessity focus attention on areas other than the U.S. Prerequisite: World Geography.

Geog. 301. Geology *3 semester hours*
Dr. Keinard.

A course dealing with landscapes in their relation to the structure of the earth's crust, and the work of earth forces and their effects on materials, structure, and physiography of the earth's surface features. Course work includes field work, study of rocks, minerals, and topographic maps. Field trips are required. Fall semester of odd years and summer session.

Geog. 302. Climatology *3 semester hours*

Dr. Keinard

A course primarily concerned with the climatic regions of the earth, and the limitations and advantages they offer for man's occupancy. The course is a valuable aid to students in world problems. Prerequisite: World Geography. Spring semester of odd years.

Geog. 303. Cartography *3 semester hours*

A course designed primarily to enable the geography major to attain proficiency in the use and interpretation of maps, models, globes, cartograms, and geographic diagrams. Selected map projections approached from the geographical rather than the mathematical point of view. The history of maps, the development of signs, symbols, and map scales, the construction of projections, graphs, and diagrams, and the application of each of these to the teaching of geography. Prerequisite: World Geography. Fall semester.

Geog. 304. Geography of Asia

Mr. Hawthorne

This course starts with an over-view of Asia in regards to climate, topography, soils, people, and other such basic geographic factors. Emphasis is placed on major geographic regions of the Soviet Union in Asia, Southwestern Asia, and India. Studies are made of the natural resources and their use, the peoples — their number and distribution, their cultural and recent cultural changes, strategic areas, and related political problems. Fall semester of odd years.

Geog. 305. Geography of the Far East *3 semester hours*

Mr. Hawthorne

A study of Japan, China, the Philippines, Southeastern Asia, and the East Indies and an intensive investigation of the natural factors and man's adjustment to them in the geographic, economic, and political regions of Eastern Asia. The geographic background needed in planning solutions for raising standards of living, for the wise use and restoration of natural resources, and the industrialization of countries is presented. Prerequisite: World Geography. Spring semester of odd years.

Geog. 306. Geography of Africa *3 semester hours*

Mr. Hawthorne

The study emphasizes the geographic factors that aid in a better understanding of the problems that face Africa today. Geographic aspects of past and present day history are discussed, as well as the aspects of race, religions, and tribal organizations. The climate, topography, agriculture and minerals of Africa are discussed as well as other important features related to geography. Prerequisite: World Geography.

Geog. 312. Geography of Australia and Associated Islands
3 semester hours

Mr. Hawthorne

Emphasis is placed on the natural factors of climate, location, minerals and topography and their relationships to the numbers and distribution of the population. Special note is taken of the native and introduced flora and fauna found in these regions as well as the importance and effect of the growing industrialization of Australia. Farming, transportation and the geo-politics of this region are also discussed. Prerequisite: World Geography.

Geog. 307. Geography of the U.S.S.R. (Including Satellite Countries) *3 semester hours*

Dr. Langdon

This course will include a study of both European and Asiatic U.S.S.R., with emphasis on the positive and negative factors in the geography of that country in relation to its strength and weaknesses as a major world power. Fall semester and summer sessions.

Geog. 308. Trade and Transportation (Including Commercial Air Transportation)
3 semester hours

Mr. Hawthorne

A study of transportation routes, ports, railroad centers, hinterlands, and trade relations between production areas and countries.

It also covers the development of commercial aviation. Policies such as governmental agreements, subsidies, control and use of air bases, the importance of Polar regions, and the Great Circle air routes are considered. Prerequisite: World Geography. Fall semester of even years.

Geog. 309. World Problems in Geography
3 semester hours

Mr. Hawthorne

A course considering some of the world problems which need a geographic background for understanding and solving them. Attention is given to boundary questions, the value and control of colonies, fishery agreements, problems concerning commercial aviation, world trade, the feeding of the world, control and development of natural resources, the making of the peace, and similar topics. Prerequisite: World Geography. Fall semester of even years and summer session.

Geog. 310. Field Courses in Geography (as approved) *3 semester hours*

Dr. Keinard

These courses, which involve the study of selected areas through the agency of travel and actual investigation, are arranged from time to

time to suit the needs of the student groups. Prerequisite: World Geography. Pre-session of summer only.

Geog. 311. Teaching Geography in Secondary Schools *3 semester hours*

Mr. Hawthorne

An intensive study of the modern techniques of teaching geography, geography materials, and current curricula in geography. Emphasis is placed upon the contribution of geography to the solving of national and world problems; the skills, habits, and the attitudes to be gained from geography courses in the junior and senior high schools which aid in the development of world citizenship, the courses suitable for such groups, and the new books available at this level. Spring semester.

HEALTH AND PHYSICAL EDUCATION DEPARTMENT

DR. STURZEBECKER, *Chairman of the Department*

DR. COTTRELL, *Vice-Chairman*

Mr. Black, Mr. Wilkinson, Mrs. Nesley, Dr. Youmans, Mr. Hopkins, Mr. Goodwin, Mrs. Giunta, Miss Schaub, Miss Yanisch, Mr. Davis, Mr. Twardowski, Miss Reed, Mr. Mitten, Miss Coates, Mrs. Taylor, Mr. Cochran, Mr. Lorback, Mr. Norris, Mrs. Cottrell, Miss Margetum.

Physical Activity Courses

H. E. 121. Athletics I *1 semester hour*

Mr. Hopkins, Mr. Goodwin

MEN: Emphasis is placed on individual sports and recreational activities which include: tennis, golf, volleyball, softball, tetherball, table tennis, handball, winter sports.

Miss Yanisch, Mrs. Taylor

WOMEN: Foundations course stressing fundamental skills in field hockey; individual skills, team tactics, and officiating techniques in volleyball. Fall semester.

H. E. 122. Athletics II *1 semester hour*

Mr. Mitten, Dr. Youmans

MEN: A continuation of individual sports and recreational activities which includes bait and fly casting, archery, badminton, and fundamentals of track and field and softball.

Miss Yanisch, Miss Coates, Mrs. Taylor

WOMEN: Foundations course stressing fundamental skills in basketball, individual skills, game tactics, and officiating techniques in tennis. Spring semester.

H. E. 221. Athletics III *1 semester hour*

Mr. Lorback, Mr. Goodwin

MEN: The first half will concern soccer rules, fundamental skills, techniques, drills, offensive and defensive patterns and methods of coaching. The second half of this course will cover fundamental skills of wrestling, techniques, strategy, scoring, rules, and theory.

Miss Yanisch, Mrs. Taylor, Mrs. Nesley

WOMEN: Advanced fundamentals and team tactics in field hockey: fundamental skills, game tactics, and officiating techniques in badminton. Fall semester.

H. E. 222. Athletics IV *1 semester hour*

Mr. Lorback, Mr. Hopkins, Mr. Goodwin

MEN: Basketball instruction in individual offensive and defensive fundamentals, drills and warm-up procedures, development of team play, various types of offenses and defenses, and specific coaching methods. In addition, instruction in basketball fundamentals and their relationship to offensive and defensive team play. Students will also study the rules, techniques, and procedures used in officiating basketball. Baseball is also given which includes the fundamentals, strategy, and theory of coaching.

Miss Coates, Mrs. Nesley, Mrs. Taylor

WOMEN: Advanced fundamentals and team tactics in basketball; fundamental skills, team tactics, and officiating, techniques in lacrosse. Spring semester.

H. E. 321. Athletics V *1 semester hour*

Mr. Mitten, Mr. Wilkinson

MEN: A theoretical and practical approach to the many phases of football including individual fundamentals, developing an offense, various defenses, the passing and kicking game. A comprehensive study of rules, techniques and procedures associated with football officiating.

Mrs. Taylor

WOMEN: Methods of teaching, officiating techniques, and practical experience in field hockey and basketball. Fall semester.

H. E. 322. Athletics VI *1 semester hour*

Mr. Mitten, Mr. Lohrback, Mr. Black

MEN: Principals of organization, administration, and supervision of intra-mural and secondary school athletic programs. Instruction to include facilities and equipment, routine procedures, budget and finance, legal liability, scheduling and public relations.

Staff

WOMEN: Development of individual skills in archery and golf; fundamental skills, team tactics, and officiating techniques in softball; fundamental skills in track and field events, methods and procedures for conducting meets. Spring semester.

H. E. 111. Gymnastics I *1 semester hour*

Mr. Davis, Mr. Twardowski, Mr. Norris

MEN: An introductory course in fundamentals of marching, gymnastic exercises, and games.

Miss Margerum, Mrs. Nesley

WOMEN: Motor ability tests, soccer, speedball. An introductory course in calisthenics and marching tactics, games. Fall semester.

H. E. 112. Gymnastics II *1 semester hour*

Mr. Davis, Mr. Twardowski, Mr. Lohrback, Mr. Norris, Mr. Wilkinson

MEN: An introduction to elementary heavy apparatus, stunts, and tumbling.

Miss Margerum, Mrs. Nesley

WOMEN: Apparatus for beginners, application of playground apparatus, stunts, tumbling, and pyramids for different age levels in elementary school. Spring semester.

H. E. 211. Gymnastics III *1 semester hour*

Mr. Cochran, Mr. Wilkinson, and Staff

Preparation for teaching of elementary physical education: singing games, story plays, self testing activities, teaching of elementary games; a unit on playground apparatus and specific stunts on apparatus and tumbling.

H. E. 212. Gymnastics IV *1 semester hour*

Mr. Cochran, Mr. Wilkinson, and Staff

MEN: Practice in advanced apparatus, stunts and tumbling.

Miss Margerum, Mrs. Nesley

WOMEN: Advanced apparatus, tumbling, pyramids, tap dancing.

H. E. 311. Gymnastics V *1 semester hour*

Mr. Davis, Mr. Twardowski, Mr. Norris

Men: Preparation for teaching of secondary physical education programs; voice training, class practice teaching of marching gymnastic exercises, development of activity lesson plan.

WOMEN: Rhythmical exercises with and without hand apparatus, planning and executing special events such as May Days, Festivals, Sports Days, Assembly Programs, Field Days. Fall semester.

H. E. 312. Gymnastics VI *1 semester hour*

Mr. Davis, Mr. Wilkinson

MEN: Special forms of gymnastic activities including rhythmical exercises, trampoline, elephant vaulting, combinations on apparatus, and a unit on pageants, exhibitions, and demonstrations.

Miss Margerum, Mrs. Nesley

WOMEN: Building the physical education program, grades 1-12 — content appropriate to each grade level, progression, seasonal units, activity units, lesson plans, voice training. Games, including recreational games at the secondary level, methods of teaching. Spring semester.

H. E. 241. Dancing I *1 semester hour*

Miss Schaub, Mr. Davis, Miss Coates, Mrs. Cottrell

A study of the place of dancing and rhythmical activities in the school physical education program with particular emphasis on clog, tap, and elementary folk dancing. The course includes a study of the fundamentals of movement, music, and rhythm and their relationship to each other; child rhythms, and folk dances suitable for elementary school children; suggested teaching methods. Fall semester.

H. E. 242. Dancing II *1 semester hour*

Miss Schaub, Mr. Davis, Miss Coates, Mrs. Cottrell

Co-recreational activities will be emphasized in this course which includes square and country dancing, advanced folk and social dancing. In addition to the development of personal skills, the course also incorporates methods of teaching and source materials for dance programs. Spring semester.

H. E. 131. Aquatics I *1 semester hour*

Mr. Twardowski, Mr. Wilkinson, Mr. Goodwin

MEN: Diagnosis, study and practice of the basic swimming strokes;

introduction to diving and competitive swimming; study of speed swimming strokes, racing starts, turns, and relay races; floating and endurance swimming; aquatic games, races, stunts, and exhibitions; introduction to recreational aquatics and synchronized swimming formation.

Miss Margerum, Mrs. Nesley

WOMEN: An analysis is made of the basic principles involved in swimming for all ages and ability levels. Emphasis is placed on safe practices as well as various methods of instruction and techniques. Class organization and the use of teaching devices are presented and explained. Application of the basic principles are made throughout the course during the progression of all skills.

The organization and administration of competitive swimming for women, with the modifications and changes necessary in the basic skills, are studied and analyzed.

H.E. 132. Aquatics II *1 semester hour*

Mr. Twardowski, Mr. Goodwin

MEN: The philosophy of life saving and the responsibility of guarding the lives of bathers and swimmers; diagnosis, study, and practice of the life saving skills and techniques; discussion of floating supports, canoeing, boating, use of the paddle board, and planning and supervision of waterfront activities in recreation programs. Successful completion of this course will enable the student to receive senior life saving certification by the American National Red Cross.

Miss Margerum

WOMEN: Continued emphasis is placed on the basic principles and skills in swimming. Safety and survival techniques are analyzed and learned. Life saving practices are emphasized and performed. Perfection of life saving skills and knowledge in swimming will lead to a Senior Life Saving Certificate.

Synchronized swimming, stunts, formations, and routines are also studied.

Health and Physical Education Theory Courses

H.E. 151. Hygiene *3 semester hours*

Staff

This course is designed to help students to acquire a background of scientific health knowledge and develop an interest in modern scientific developments in the field of personal and public health; to establish high standards of personal living and develop desirable attitudes toward healthful living through the study of principles and practice of personal hygiene and to realize that personal health, child welfare, and public health are the responsibility of every citizen. Both semesters.

H.E. 261. History of Physical Education *2 semester hours*
Mr. Lorback

A study of the changing conceptions of physical education of many past ages and cultures so as to provide a foundation for the philosophy, principals, curriculum, organization and administration, methods, and trends of modern physical education. Spring semester.

Anatomy and Physiology I and II
(See Biol. 261 and 262) Both semesters *6 semester hours*

H.E. 350. First Aid *2 semester hours*
Mr. Twardowski and Staff

Basic instruction will center around the American Red Cross standard and advanced course of study of first aid. Selected students may also have an opportunity to receive the American Red Cross First Aid Instructor's Certificate. As a supplement to these areas of concentration there will be a brief review of human kinesiology as it pertains to the prevention and cure of athletic injuries. Fall semester.

H.E. 351. Human Development *3 semester hours*
Miss Reed, Miss Coates, Mr. Cochran

Designed to help students understand growth from birth through adolescence, this course includes methods of studying pupils, influences on growth, and characteristic development at various age levels. Implications for the health and physical education program are stressed throughout. Both semesters.

H.E. 352. Methods and Materials in Health Education *2 semester hours*
Mr. Twardowski, Miss Reed, Mr. Mitten

A comprehensive study of school health services, healthful school environment, and school health instruction. The major emphasis is on the teaching of health, including the latest methods and materials, and the construction of lesson plans, units, and other teaching aids. Students will complete their files of curriculum materials and instructional aids as a prerequisite for student teaching. Spring semester.

H.E. 361. Tests, Measurements and Guidance in Health and Physical Education *3 semester hours*
Dr. Youmans, Mr. Lorback, Mr. Cochran

Experience in selecting, administering, scoring, and evaluating physical activity tests of physical fitness, general motor ability, motor educability, and skill and knowledge in sports. Competency in the use of elementary statistical procedures of objective learning and testing. Pre-requisite: Educational Psychology. Fall semester.

H.E. 362. Physical Education for the Elementary Grades
2 semester hours

Mr. Cochran, Mr. Wilkinson

The students will be assigned to elementary schools in the service area for observation and teaching in physical education. This will involve all the games and relays, self testing activities, rhythms and dances suitable for the growth and developmental needs of the elementary school child. A weekly seminar will be held to discuss the theory and problems involved in elementary physical education. Both semesters.

H.E. 363. Applied Physiology *2 semester hours*

Mr. Norris, Dr. Youmans

A functional course applying physiological principles of neuromuscular activity to the frame of reference of the physical educator. A clinical approach will be taken to acquaint the student with basic aspects of theories of neuromuscular coordination and motor learning, strength development, endurance, and the analysis of human motion. Pre-requisites: Human Anatomy and Physiology I and II. Fall semester.

H.E. 364. Organization and Administration of Physical Education *3 semester hours*

Dr. Cottrell, Dr. Youmans, Mr. Black

Principles of program building in physical education and athletics, curricular and extra-curricular; facilities and equipment, routine procedures, budget and finance, legal liability, and public relations. Pre-requisite: Tests, Measurements and Guidance in Health and Physical Education. Spring semester.

H.E. 365. Physical Activities for Atypical Children I
2 semester hours

Mrs. Taylor, Mr. Norris, Mr. Black, Mr. Goodwin

A course presenting to the student a method of teaching which will motivate the atypical student to improve not only his physical condition, but also his outlook on life. This course deals with the sport phase of the education of the handicapped through the use of adapted sports programs. Both semesters.

H.E. 390. Orthopedic Disabilities of Childhood
2 semester hours

Mr. Norris

A comprehensive study of the common disabilities of childhood, especially those deviations that are chronic in character. Major emphasis will be placed on developing an understanding of the medical aspects and problems of rehabilitation of the physically disabled.

H.E. 391. Psychology of the Physically Handicapped *3 semester hours*

Mr. Norris

A study of the psychology of physique and physical disability and the related cultural implications. Students will be given an opportunity to make personal exploration into the psychodynamics of disability.

H.E. 461. Physical Activities for Atypical Children II *2 semester hours*

Mrs. Taylor, Mr. Norris, Mr. Black, Mr. Goodwin

A course concerned with the modern concepts of the therapeutic exercise phase of physical education in the prevention and correction of common handicapping conditions. The student is furnished with adequate information and guidance for giving the handicapped individual the proper type and amount of physical education to meet his needs and capacity. Both semesters.

H.E. 462. Principles of Recreation *2 semester hours*

Mr. Black

Historical background of the present play movement; theoretical explanations of play; the need for play in modern life and its place in education and recreation; the fundamental principles and methods of recreation leadership. Both semesters.

H.E. 463. Principles of Coaching *2 semester hours*

Miss Yanisch, Mr. Lorback

Principles and methods of coaching sports in the school program; problems of the coach with regard to psychology of handling a team, training, motivation, and schedule planning; bridging the gap between knowing how to play and the functions of coaching. Both semesters.

H.E. 471. Student Teaching and Direction of Student Activities *12 semester hours*

Dr. Cottrell, Miss Schaub, Mr. Davis, Miss Margerum

Observation and participation in teaching situations in the junior and senior high school under qualified cooperating teachers. Professional conferences and visitations are provided throughout this teaching semester which may be taken in the fall or spring term of the academic year depending upon administrative planning. Both semesters.

H.E. 472. Professional Practicum Including School Law *2 semester hours*

Dr. Sturzebecker, Dr. Cottrell, Miss Schaub

Accompanying student teaching an undergraduate seminar will be required. This will include a study of problems met in the teaching semes-

ter and review of those sections of the Pennsylvania School Law pertinent to teaching activities in the major field. Both semesters.

ELECTIVE COURSES

ELECTIVES IN "EDUCATION FOR SAFE LIVING" (HIGHWAY SAFETY AND GENERAL SAFETY EDUCATION)

H.E. 481. Introduction to Safety Education

3 semester hours

Mr. Mitten

The importance of safety education in modern living. Methods of overcoming the hazards present in the home, school, community, industry, and traffic. How to teach safety habits and attitudes. Fall semester.

H.E. 482. Driver Education and Training

3 semester hours

Dr. Cottrell

Classroom study of personal characteristics bearing on driving, use of various types of tests, and techniques of teaching beginning drivers. Road instruction on the use of dual control cars in the teaching of safe driving. Prerequisite: Driver's license. May be taken for no credit by holders of learner's permits. Offered in summer sessions only.

H.E. 483. Psychology of Accident Prevention

3 semester hours

Dr. Cottrell, Mr. Mitten

A study of methods for developing attitudes toward safety; the part played by personality and emotions in accidents. Offered in summer sessions only.

H.E. 484. Methods and Materials in Safety Education

3 semester hours

Dr. Cottrell, Mr. Mitten

Methods of teaching safety and subject matter placement in the elementary and secondary schools. Source material and measuring the results of safety education. Prerequisite: Introduction to Safety Education. Spring semester.

H.E. 485. Organization and Supervision In Safety Education

3 semester hours

Mr. Mitten

History, philosophy, and basic principles of organization and administration of safety education. Organization and supervision of safety

education in the public schools, including program planning. Legal aspects in the administration of school safety. Prerequisite: Introduction to Safety Education. Spring semester and summer session.

ELECTIVES IN RECREATION

H.E. 366. Organization and Administration of Recreation *3 semester hours*

Mr. Davis

Policies and procedures which are essential in the promulgation of recreation programs on local, state, and national levels. This includes visitations to and evaluations of recreation centers in operation. Students will be given opportunities to plan and administer recreational projects. Prerequisite: Principles of Recreation. Fall semester.

H.E. 464. Supervised Recreation Leadership *4 semester hours*

Mr. Davis

Students will have guided experiences in active leadership in the various recreational programs of our immediate area. A one-hour practicum will be held each week to discuss problems and principles of Recreational Leadership. Fall semester.

H.E. 367. Arts and Crafts in Recreation *3 semester hours*

Miss Yanisch

Theoretical and practical applications in the use of arts and crafts materials as a means of furnishing channels for recreative outlets for all age groups. Opportunities will be given to work in the various media customarily found in school, camp, and community recreation programs. Both semesters.

H.E. 368. Music in Recreation *3 semester hours*

Mr. Davis and Staff

A study of the many phases of recreational music as an effective leisure time activity for all age groups in communities, camps, playgrounds, and recreational centers; an understanding of the functions of the recreation leader in the music phase of the recreation program.

Specific activities in which students will participate are as follows: community singing and conducting, rounds, contra songs, action songs, making stereoptican slides for group singing, playing simple instruments such as the tonette or song flute, making rhythm band instruments, playing in and conducting a rhythm band, producing musical puppet shows, simple operettas, setting up the organization for the advanced listening, singing, and playing program. Spring semester.

H.E. 369. Dramatics in Recreation *3 semester hours*
Mr. Davis and Staff

The place of dramatic activities that meet recreational needs of all groups as either participators or spectators of the activities. Emphasis will be placed upon the appropriate plays and other dramatic media that fit all age levels in any community. Fall semester.

H.E. 370. Camping and Outing *3 semester hours*
Mr. Davis, Mr. Twardowski

A program including both theory and practice in all the elements of camping and outing programs. The student will gain an insight into these activities from the viewpoints of the camper, the counselor, the supervisor, the specialist, and the director. Fall semester.

H.E. 331. Aquatic Leadership *2 semester hours*
Mr. Twardowski

Leadership procedures in all aquatic activities found in the public school program and in school camps. The student will have an opportunity to qualify as a waterfront safety instructor and will study problems in organization and administration of aquatic programs. There will be a complete analysis of all swimming strokes and life saving techniques. Both semesters.

H.E. 341. Modern Dance *1 semester hour*
Miss Coates

This course is designed to prepare teachers in all elements of Modern Dance Activities that are employed in the Public School Program. The student is thoroughly grounded in fundamentals and teaching techniques of Modern Dance on the Elementary and Secondary levels. Opportunity for creative work is provided. Fall semester.

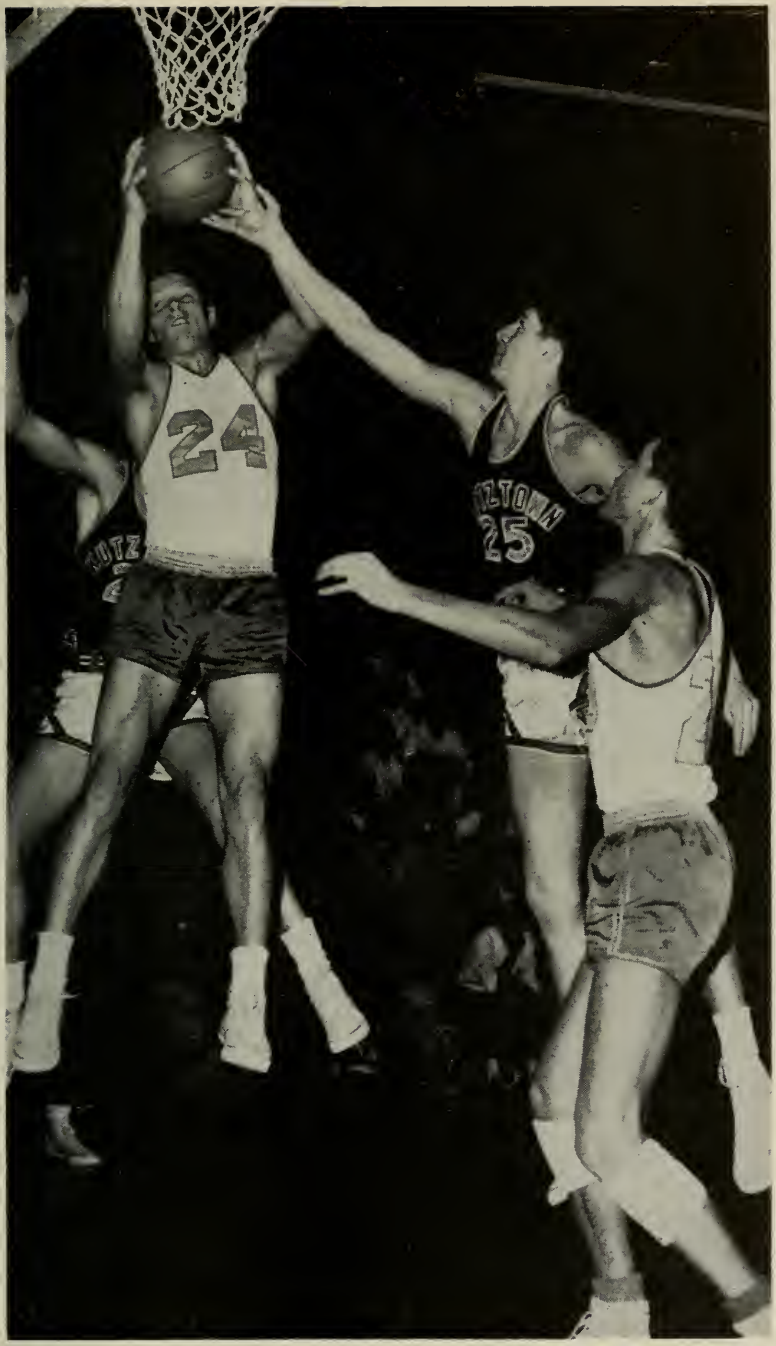
H.E. 353. First Aid For Teachers *2 semester hours*
Mr. Twardowski

A study of advanced first aid techniques and the methods and procedures for teaching first aid; problems of safety in home and school. Successful completion of this course may qualify the student for an instructor status. Spring semester and summer session.

ELECTIVES IN PHYSICAL THERAPY

H.E. 392. Introduction to Physical Therapy *2 semester hours*
Mr. Norris

An introductory course for men and women students anticipating matriculation in a post-graduate school of Physical Therapy. Major em-



BASKETBALL, HOLLINGER FIELD HOUSE

phasis will be placed on correlating selected basic biological and physical science information relative to the practice of Physical Therapy. Prerequisites: Anatomy and Physiology I and II, Applied Physiology, and Physics. Fall semester.

H.E. 491 Seminar and Observation in Pre-Physical Therapy
3 semester hours

Mr. Norris

A course designed to provide the pre-physical therapy student with a general overview of the physical therapy profession and related fields of physical therapeutics. Students will spend one clock hour per week in a classroom seminar and eight hours per week in a rotational plan of visitations to and observation in recognized public physical therapy clinics and public school programs of remedial physical education. Prerequisites: Introduction to Physical Therapy. Spring semester.

A PROGRAM OF INDEPENDENT STUDY AND SUPERVISED FIELD EXPERIENCES IN CAMPING

The Department of Health, Physical Education, and Recreation offers a special program of courses in camp leadership for staff members at children's summer camps. These courses are designed to aid the student's professional growth and knowledge through directed leadership experience with children in the informal atmosphere of the camp.

COURSES AVAILABLE

UNDERGRADUATE STUDENTS

464. Supervised Recreation Leadership — 3 credits
(6 to 8 weeks' attendance July through August)
Dr. Sturzebecker

GRADUATE STUDENTS

511. Field Problem in Recreation — 2 credits
(6 to 8 weeks' attendance at camp July through August)
Dr. Sturzebecker

TUITION FEE:

Undergraduate Fee $11.00 per credit (3 credits total $33.00)
Graduate Fee $20.00 per credit (2 credits total $40.00)
For either Undergraduate or Graduate Admission, there will be an Administrative Service Fee of $15.00 per student.

ELIGIBILITY:

Any matriculated student at West Chester State College is eligible to participate in the program. Permission of the special advisor should

be obtained if credit is to be applied toward a degree. Students from other colleges may register with the permission of the course instructor. It is suggested that students enrolled at other colleges obtain the approval of their special advisor or appropriate administrative officer to assure that these courses may be applied toward degree requirements.

GENERAL ELECTIVE

H.E. 451. Community and School Health Education Workshop *3 semester hours*

Miss Reed, Dr. Sturzebecker, Dr. Cottrell

A study of common problems in the home, community, and school health education areas. A five-point program is as follows: to provide in-service training in health education; to stimulate and promote an effective follow-up program in health services; to coordinate the efforts of allied health agencies; to stimulate and promote interest in local health units; and to develop an awareness of the place of mental health in the total health program of the home-school-community. Offered in summer sessions only.

Health and Physical Education for Elementary, Secondary, and Music Students

For Elementary Curriculum Students

H.E. 101. Physical Education I *1 semester hour*

Staff

Introducing the student to an extensive program of recreational athletics having a high potential carry-over into post-college life. Included are archery, badminton, basketball, hockey, soccer, softball, speedball, swimming, tennis, and volleyball. Fall semester.

H.E. 150. Health *2 semester hours*

Staff

A course designed as an integrative experience in personal health education for the freshman student. The primary areas include: mental and emotional adjustment to the college environment, family relationships, factors influencing physiological health, and the college student as an intelligent appraiser of health practices and fads. Both semesters.

H.E. 201. Physical Education II *1 semester hour*

Staff

Continuation of individual activities with a gradual emphasis placed upon those physical activities which elementary children enjoy. The basic organization of the physical education program in the modern ele-

mentary schools is reviewed. Basic principles in teaching children how to play simple games and relays and those other recreational activities that are associated with this age group. Opportunities for lesson planning and teaching are provided for in a practical manner. The ability to plan for and direct the practical "recess" period in the elementary school program will be a main objective for each student. Spring semester.

H.E. 202. Physical Education III *1 semester hour*

Staff

The place of fundamental rhythms, creative rhythms, singing games, and folk dances on the elementary level will challenge the student. Personal skills in these areas will develop and each student will assume the leadership in directing these activities in class situations. The use of dancing activities for demonstrations and pageants will be studied. Spring semester.

H.E. 350. Health For the Elementary Grades

2 semester hours

Miss Reed

A course based upon the premise that health education is not a subject but rather a way of living. Special emphasis placed upon the development of sound principles and procedures in meeting the different needs of the child in relation to the school, home, and community. Elementary health courses of study will form the basic point from which each student will explore content and methods for making a sound total health education program. The inter-relationship of health education with all fields in the modern elementary program will be a focal point of attention. Both semesters.

For Secondary Curriculum Students

H.E. 104. Physical Education I *1 semester hour*

Staff

A wide variety of experiences in athletic games contemporaneous to college age levels will initiate the program. An introduction to those activities which have carry-over value into adult life will be the center of interest. These include soccer, speedball, hockey, basketball, swimming, softball, and tennis. Fall semester.

H.E. 150. Health *2 semester hours*

Staff

The same as Health for Elementary Curriculum Students. (Offered both semesters.)

H.E. 204. Physical Education II *1 semester hour*

Staff

Further experiences in individual sports will be offered including not only the learning of skills for personal enjoyment but also developing an elementary ability to help direct these in the modern secondary school recreational program. These include archery, badminton, bowling, golf, quoits, horseshoes, shuffleboard, tether ball, and winter sports. Spring semester.

H.E. 205. Physical Education III *1 semester hour*

Staff

Rhythmical activities that are of great interest to secondary schools will be offered. These include social, folk, square, and country dancing. Emphasis will be placed upon both the development of individual skill and ability to help direct these activities as a feature of the recreational program in schools. Spring semester.

For Music Curriculum Students

H.E. 107. Physical Education I (Eurythmics I) *1 semester hour*

Miss Coates

The realization of rhythm in bodily movement and the development of neuro-muscular responses to the perception of musical rhythms are bases for the course. The student will become familiar with the factors of timing, force, and space so as to increase both his skill in bodily movement and his appreciation of rhythm. Swimming activities are also included.

H.E. 150. Health *2 semester hours*

Staff

The same as Health for Elementary Curriculum Students. Both semesters.

H.E. 207. Physical Education II (Eurythmics II) *1 semester hour*

Miss Coates

The development of an appreciation of rhythmic movement patterns through specific dance forms: Polka, Schottische, Waltz, Mazurka, Pavanne, Polonaise, Sarabande, Bouree, Gavotte, Minuet. Opportunities will be provided for the application of the principles of eurythmics in teaching music to children through both the planning and teaching of typical elementary school units; such as, Folk Festivals, Circuses, May Days, Indians, Transportation, Work and Occupations, Special Holidays. Some swimming activities are included. Spring semester.

H.E. 208. Physical Education III *1 semester hour*
Staff

A course providing an extensive variety of recreational athletic experiences which have the highest potential value for enjoyment in post-college life. Activities include archery, badminton, bowling, swimming, deck tennis, softball, volleyball, tennis, golf, and winter sports. Spring semester.

MATHEMATICS DEPARTMENT

DR. FILANO, *Chairman of the Department*

Dr. Travis, Mr. Milliman, Mr. Geschwindt, Miss Bernatz, Mrs. Stanley

Math. 101. Introduction to College Mathematics
3 semester hours
Staff

A course emphasizing fundamental mathematical ideas and methods of mathematical thinking. Includes reasoning in mathematics, sets, logic, structure of mathematical systems, functions, geometry and trigonometry. Both semesters and summer session.

Math. 105. College Algebra and Trigonometry
3 semester hours
Staff

A unified course emphasizing the spirit of modern mathematics as it applies to algebra and trigonometry. Includes the nature of mathematics, the number system, logic, sets, inequalities and functions, equations and identities in both fields. Prerequisite: Three years of high school mathematics. Both semesters and summer session.

Math. 131. Analytic Geometry *3 semester hours*
Staff

A study of loci and their equations through the use of algebra and geometry. Includes rectangular and polar coordinates, straight lines, conic sections, higher plane curves, transformation of coordinates, parametric equations. Prerequisite: Math 105. Both semesters and summer session.

Math. 211. Advanced Algebra *3 semester hours*
Staff

A course in matrices, determinants and selected topics from the theory of equations. Prerequisite: Math 105. Spring semester and summer session.

Math. 241. Differential Calculus *3 semester hours*
Dr. Filano and Mr. Milliman

A course covering limits, continuity and derivatives. Includes derivatives of algebraic and transcendental functions, differentials and applications. Prerequisite: Math 131. Both semesters.

Math. 242. Integral Calculus *3 semester hours*
Dr. Filano and Mr. Milliman

A study of integration as a process of summation. Includes formulas and methods of integration and the application of integrals to area, volume, centroids, force, work and other practical problems: Prerequisite: Math 241. Both semesters.

Math. 303. Statistics *3 semester hours*

A study of the presentation and analysis of numerical data. Includes graphs, frequency distributions, measures of central tendency and dispersion, correlation, probability, regression and prediction, normal curve, reliability of statistical measures. This is a course for non-mathematics majors. Prerequisite: 2 years of high school mathematics. Spring semester.

Math. 331. College Geometry *3 semester hours*

A course for the extension of competency in geometry. Includes the development of geometric systems and deductive proof, problems on polygons and circles, and constructions. Prerequisite: Math 131. Fall semester.

Math. 341. Intermediate Calculus *3 semester hours*
Dr. Filano and Mr. Milliman

A continuation of the Calculus including infinite series, expansion of functions, solid analytic geometry, partial derivatives, multiple integrals and their applications. Prerequisite: Math 242. Both semesters.

Math. 343. Differential Equations *3 semester hours*

A course in the theory, solution and application of ordinary differential equations. Prerequisite: Math 341. Spring semester.

Math. 350. Teaching of Mathematics in Secondary Schools *3 semester hours*
Dr. Filano

A course in modern techniques of teaching mathematics. Includes the aims of mathematics instruction, motivation, methods of instruction and evaluation in mathematics. Emphasis is placed on the new mathematics and on modern courses of study. Opportunities are provided for

students to plan and present lessons in mathematics and to observe mathematics classes in secondary schools. Prerequisite: Math 242. Fall semester.

Math. 351. Arithmetic for the Elementary Grades *3 semester hours*

Dr. Travis

A course designed to acquaint students with modern methods of teaching arithmetic and with the content of the arithmetic curriculum. Emphasizes the teaching of concepts, stresses the construction and use of learning aids, considers arithmetic syllabi and texts, provides opportunities for students to prepare and present lessons in arithmetic and to observe arithmetic classes in elementary schools. Both semesters and summer session.

Math. 401. History of Mathematics *3 semester hours*

A study of the growth of mathematics through the centuries and the men who contributed to it. Prerequisite: Math 242. Spring semester.

Math. 403. Mathematical Statistics *3 semester hours*

A course in the mathematical bases of statistical measures. Includes probability, moments, distribution functions, regression and correlation. Prerequisite: Math 242. Both semesters.

Math. 411. Modern Algebra *3 semester hours*

A course in the foundations of algebra. The postulational approach to algebraic systems is emphasized. Integral domains, fields, groups and rings are among the systems included for study. Prerequisite: Math 242. Fall semester.

Math. 431. Modern Geometry *3 semester hours*

A course in the foundations of Geometry. The postulational approach to geometric systems is emphasized. Both Euclidean and Non-Euclidean systems are included for study. Prerequisite Math 242. Spring semester.

Math. 441. Advanced Calculus *3 semester hours*

A course in the foundations of real analysis. Includes a vigorous treatment of limits, continuity, derivatives and Riemann integrals. Prerequisite: Math 341. Fall semester.

MUSIC DEPARTMENT

DR. MITCHELL, *Chairman of the Department*

Mr. Middleton, Dr. Jones, Dr. Antonowich, Dr. Wright, Mr. Carl, Mr. Carson, Dr. Fletcher, Mrs. Gottlieb, Mr. Gutscher, Dr. Cheesman, Dr. Wilkinson, Mr. Sweet, Miss Sheppard, Dr. Johns, Mrs. Kelly, Mr. Sprenkle, Miss Williams, Mr. Barrow, Mrs. Bernard, Mr. Whitten, Mrs. Beatty, Mr. Pflieger, Mr. Gangemi, Mr. Krueger.

THEORY

DR. WRIGHT, *Chairman*

The theory courses aim to develop the techniques required for a comprehensive understanding of music literature and the background necessary for intelligent interpretation, arranging, and composition. These techniques include: the harmonization of melodies; analysis of form; creative work—at the keyboard and written; aural recognition of the harmonic vocabulary being studied; and the application to the keyboard of this vocabulary.

Mus. 110. Theory of Music *3 semester hours*

Dr. Wright, Dr. Wilkinson, Mr. Gangemi

This course includes the study of sound and the use of such related mathematical skills as first degree equations, ratios, and interferences of periodicities. Aural recognition of the diatonic triads and their inversions is stressed as well as the development of part-writing skills. Melodic, rhythmic, and harmonic dictation is included. Prerequisite: Mus. 100. Both semesters and summer.

Mus. 201. Theory of Music *3 semester hours*

Dr. Wright, Dr. Wilkinson, Mr. Gangemi

A continuation of the development of basic skills presented in the preceding course, and introducing the study of modulation and nonharmonic tones. Prerequisite: Music 110. Both semesters and summer.

Mus. 202. Theory of Music *3 semester hours*

Dr. Wright, Dr. Wilkinson, Mr. Gangemi

In this course the student is given additional practice in handling the materials of Theory of Music 110 and 201, and introduces seventh chords and chromatic alterations. Prerequisite: Mus. 201. Both semesters.

Mus. 301. Theory of Music *3 semester hours*

Dr. Wright, Dr. Wilkinson, Mr. Gangemi

This course augments the student's harmonic vocabulary with a study of modulation to remote keys while developing the material of Theory of Music 202. Special attention is placed upon arrangement of compositions for voices and piano. All the techniques acquired in previous courses will be further developed. Creative application of materials is emphasized. Prerequisite: Mus. 202. Both semesters.

Mus. 211. Sight-Singing I *3 semester hours*
Dr. Jones, Mr. Middleton

A study devoted to developing the specific skill of singing at sight. Emphasis rests upon coordination of the visual, aural, and theoretical aspects of the process. Extensive drill in individual and part-singing is directed toward quick recognition of appropriate tonal and rhythmic problems and the ability to reproduce them vocally. Prerequisite: Mus. 100. Both semesters and summer session.

Mus. 212. Sight-Singing II *2 semester hours*
Dr. Jones, Mr. Middleton

Increased facility in reading is developed through the use of material of advanced difficulty involving chromatic alterations, more remote modulations and intricate rhythms. Prerequisite: Mus. 211. Both semesters.

Mus. 233. Basic Physical Science (Musical Acoustics) *3 semester hours*
Dr. Fletcher, Dr. Wright

A special course in musical acoustics arranged for students in the Music Education Curriculum to give them an understanding of the nature of sound and the basic principles of production and transmission of sound with their applications to musical instruments. Further consideration is given to the physical basis of harmony and scales, hearing, the acoustics of concert halls, and the recording and reproduction of sound. Both semesters.

Mus. 321. Counterpoint *2 semester hours*
Dr. Jones

A practical study of the fundamental material of music and its evolution. The course includes a comparison of harmonic and melodic movement, analysis and writing of both vocal and instrumental polyphony in strict and free style. Prerequisite: Mus. 202. Both semesters.

Mus. 322. Orchestration *2 semester hours*
Dr. Wright

A course including the techniques of the instruments of the orchestra and band and presenting the principles of instrumentation in theory and practice. Special emphasis is given to arranging for school orchestras and bands. Prerequisite: Mus. 202. Both semesters.

Mus. 323. Composition *2 semester hours*
Dr. Wright

A course designed to give the advanced student more intensive experience in creative work. Although no definite idiom is prescribed, the

use of contemporary techniques is encouraged. The work done in this course will be written for various mediums. Each student is offered guidance and aid in writing compositions in the forms, styles, and mediums best suited to his own special capabilities and needs. Pre-requisite: Mus. 202. Spring semester.

MUSIC EDUCATION and STUDENT TEACHING

DR. ANTONOWICH, *Chairman*

Mus. 311. Secondary Music Methods *2 semester hours*
Mrs. Bernard

A study of the choral and general music program of the secondary public schools. Included in assignments and discussions are: the development of good human relations involving the teacher, the students, the faculty, and the administration; the organization, procedures, problems, and materials of vocal music classes, covering voice classification, the changed and changing voices, voice classes, and choral organizations; special classes —the gifted and the retarded child; public performances; the school assembly; music appreciation classes; scheduling; requisitioning supplies and equipment; and school-community relationships. Special attention is given to the study of skills in teaching the general music classes. Particular emphasis is placed upon the selection and analysis of materials and evaluative techniques. Directed observations are included. Both semesters.

Mus. 312. Instrumental Methods *2 semester hours*
Dr. Antonowich, Mr. Pflieger

Fundamentals underlying the development of instrumental programs in the public schools. A variety of current practices and problems are investigated and considered with the viewpoint that no one type of organization will serve the needs of all communities and schools. Included are: background information on instruments of the orchestra and band; transposition, fingerings, etc.; consideration of problems of organization and administration; discussion, analysis and demonstration of teaching techniques and procedures; examination and evaluation of materials. Both semesters.

Note: Mus. 351 (Human Development), Mus. 311 (Secondary Music Methods) and Mus. 312 (Instrumental Methods) are all presented to students in the Music Education Curriculum in the same semester of the junior year. They are so scheduled as to permit regular and ample amounts of observation of the teaching of music in public schools and to correlate the course content with such observation. Thus, the student receives a practical introduction to the teaching of music in the public schools and undergoes a gradual induction into teaching responsibilities leading up to the student teaching semester.

Mus. 324 Choral Materials and Practices *2 semester hours*
Dr. Jones

The course is designed to acquaint the student with a vast amount of choral music suitable for school use through actual analysis. Program building and other practical phases of presenting the chorus in performances are studied. Spring semester.

Mus. 325. Piano Methods (Class) *2 semester hours*
Dr. Mitchell, Mr. Carl, Mr. Sprenkle

A course providing for the training of piano teachers and supervisors for the organization and teaching of piano classes in the public schools. Suitable teaching material including the leading system of class piano instruction will be examined and discussed. Demonstrations and student teaching are included. Spring semester.

Mus. 326. Instrumental Techniques and Materials *2 semester hours*
Mr. Carson

The course is designed for those juniors and seniors who desire to specialize in instrumental music by expanding their knowledge of the instruments and the organization and administration of an instrumental department; modern materials for instrumental groups are studied and evaluated; rehearsal procedures; minor repairs to instruments; competitions and festivals in Pennsylvania; program building with special emphasis on marching band procedures. Fall semester.

Mus. 327. Teaching Music Appreciation in the Elementary Grades *3 semester hours*
Mr. Gutscher

A course designed to enrich the music program throughout the grades. Suitable and available materials will be suggested from which each member of the class will be expected to organize a unit of work for a specific grade. The subject of these units will be decided by the needs of the class itself. Throughout the course an attempt will be made to provide variety of approach and to present the subject so as to conform to the child's mental, physical, and psychological development. Summer session only.

Mus. 402. Seminar in Piano Teaching and Teaching Materials *3 semester hours*
Dr. Mitchell, Mr. Carl

A seminar giving in-service music teachers and supervisors the opportunity for class study of outstanding examples of the piano literature. The role and integration of the piano into the public school program along with suitable teaching materials for class and private study will be analyzed and used in demonstrations and student teaching. Summer session only.

Mus. 421. Student Teaching and Direction of Student Activities *12 semester hours*

Dr. Antonowich, Mrs. Bernard, Mr. Pflieger

Observation and participation in teaching situations ranging from the primary grades through senior high school, vocal and instrumental music, in conjunction with qualified cooperating teachers. Professional conferences and visitations are an integral part of the experience.

HUMANITIES

DR. JOHNS, *Chairman*

Mus. 100. Foundations of Music *3 semester hours*

Dr. Wright, Dr. Wilkinson, Mr. Gangemi

Relates the technical aspects of music to the social and cultural currents of Western Music. The historical approach to technical mastery is presented here in a degree which is beyond the province of courses in History, Literature, and Appreciation of Music. Pitch and rhythm, its representation through the centuries to the present age, and the development of basic skills in sight singing and dictation are included. Both semesters.

Mus. 220. Fine Arts *3 semester hours*

Mr. Middleton, Mr. Carson, Mr. Barrow, Mr. Sweet

This is a course designed to give the student a stimulating background in the history and appreciation of music from the Classical Period through the Contemporary Period. The objective of the course is to provide a humanistic approach to the Art of Music by relating it to its contemporary arts and the societies in which it develops. The course provides further for a study of the major composers and their contributions to the literature of music. Stress is placed upon familiarity with the forms in music through analysis and comparison. To this end, representative compositions are heard and analyzed through recordings and other audible means. Both semesters and summer session.

Mus. 310. History of Music *3 semester hours*

Dr. Johns

This course is basically a survey of the important movements in the History of Music from Primitive Times through the Baroque Period. It involves a study of the traditions of primitive societies and ancient civilizations, the development of music in the Christian Church, the contributions of the Middle Ages, and the developments in music through the Renaissance and the Baroque periods. Stress is placed upon the music of the 17th and 18th centuries. Where practical, representative compositions are heard and analyzed through available recordings. Both semesters and summer session.

Mus. 320. American Music *2 semester hours*
Dr. Johns

A course designed to trace the evolution of national style of composition from the earliest known American composers to the present day, and to acquaint the student with representative works of outstanding American composers. American music in our cultural heritage is analyzed and listened to with special regard for the amount of influence such things as jazz, impressionism, nationalities, and economics have had upon it. Spring semester.

Mus. 351. Human Development *3 semester hours*
Mrs. Bernard

A course dealing with the human growth and development of children in the elementary grades. The psychological aspects of creating desirable attitudes in children are stressed. Emphasis is placed upon the potent influence which music has upon the personal, emotional, and social development of the child. Included in assignments are the development of the child voice, his physical responses, music reading skills, and individual growth through creative musical activities. Particular emphasis is placed upon the selection and analysis of materials and evaluative techniques. Both semesters.

APPLIED MUSIC

Applied Music studied in this curriculum serves two purposes: that of developing the musicianship of the individual student; and that of providing the prospective teacher with the knowledge and techniques of various musical media needed for conducting an effective music program in the public schools. The program is carried out by means of individual and class instruction, according to the needs of the student. Opportunity is given for ensemble and for solo appearances in recitals and with college organizations.

Advanced standing in private study may be achieved by students after the freshman year, upon successfully passing certain tests. Extra credit will be given to students in the advanced standing classification.

VOICE FACULTY DR. CHEESMAN, *Chairman*
Dr. Jones, Mr. Gutscher, Mrs. Kelly, Mr. Sweet, Miss Sheppard, Miss Williams, Mr. Krueger, Mr. Pflieger

Mus. 1-6. Voice *1 semester hour each course*
Voice faculty

Six semesters of private vocal study are required of all students except students whose major area of performance is instrumental. Four semesters of vocal study are required of instrumental majors.

Mus. 101-108. Advanced Voice
1 semester hour each course

Voice faculty

Eight semesters of private voice study are required of all students whose major area of performance is voice.

The study and application of the physiological and psychological principles of voice production and diction. The material used ranges from rote songs to classic and modern song literature, according to individual ability.

Mus. 109-114. Advanced Voice
1 semester hour each course

Voice faculty

For students in this advanced study of voice who have completed by advance standing examinations Mus. 101-108.

PIANO AND ORGAN FACULTY: MR. CARL, *Chairman* Dr. Mitchell, Mrs. Gottlieb, Dr. Wilkinson, Mr. Sprenkle, Mr. Whitten

Mus. 11-16. Piano *1 semester hour each course*

Piano faculty

Six semesters of private piano study are required of all music education students.

Mus. 111-118. Advanced Piano
1 semester hour each course

Piano faculty

Eight semesters of private piano study are required of all students whose major area of performance is piano.

Each student receives one-half hour instruction in piano per week. At the end of each semester students are expected to meet minimum requirements in sight-reading, technique, and general musicianship, as determined by examinations before the piano faculty. The study of the piano includes keyboard harmony in the free piano style.

Mus. 119-124. Advanced Piano
1 semester hour each course

Piano faculty

For students in this advanced study of piano who have completed by advanced standing examination Mus. 111-118.

Mus. 17-18. Organ Class *1/2 semester hour*

Dr. Wilkinson

Designed to acquaint the student with the fundamental techniques of

the pipe organ. Emphasis is placed upon methods of practice and study including fundamental pedal techniques, hymn playing, and simple accompaniments. For a limited number of students in the music education curriculum who have met the piano and keyboard requirements. A practical course in service playing for piano majors.

Mus. 151-158. Advanced Organ *1 semester hour*
Dr. Wilkinson

Individual instruction in pipe organ is offered to familiarize the student with the literature of the instrument and to develop a playing technique. (For a limited number of students in the music education curriculum who have met the piano and keyboard requirements.)

Mus. 159-164. Advanced Organ *1 semester hour*
Dr. Wilkinson

For students in this advanced study of organ who have completed by advanced standing examination Mus. 151-158.

INSTRUMENTAL FACULTY: Mr. Carson, *Chairman*
Mr. Middleton, Dr. Johns, Mr. Barrow.

Mus. 21-22. Violin *1 semester hour*
Dr. Johns

Two semesters of class instruction in violin, two hours per week, are required of all music education students. Tone production, fingering, and technique are stressed.

Mus. 121-128. Advanced Strings *1 semester hour*
Dr. Johns

A minimum of four semesters of private study are required of all students whose major performing area is string instruments. Repertoire and public performance are stressed.

Mus. 129-134. Advanced Strings *1 semester hour*
Dr. Johns

For students in this advanced study of a string instrument who have completed by advanced standing examination Mus. 121-128.

Mus. 31-32. Clarinet *1/2 semester hour*
Mr. Carson

Two semesters of class clarinet, one hour per week, are required of all music education students. Tone production, embouchure, fingering, and technique are stressed.

Mus. 131-138. Advanced Woodwinds *1 semester hour*
Mr. Carson

A minimum of four semesters of private study are required of all students whose major performing area is woodwind instruments. Repertoire and public performance are stressed.

Mus. 139-144. Advanced Woodwinds *1 semester hour*
Mr. Carson

For students in this advanced study of a woodwind instrument who have completed by advanced standing examination Mus. 131-138.

Mus. 41-42. Trumpet *1/2 semester hour*
Mr. Barrow

Two semesters of class trumpet, one hour per week, are required of all students.

Mus. 141-148. Advanced Brasses *1 semester hour*
Mr. Barrow

A minimum of four semesters of private study are required of all students whose major performing area is brass instruments. Repertoire and public performance are stressed.

Mus. 149-154. Advanced Brasses *1 semester hour*
Mr. Barrow

For students in this advanced study of a brass instrument who have completed by advanced standing examination Mus. 141-148.

Mus. 51-52. Instruments (Elective) *1/2 semester hour*
Instrumental faculty

After having met the instrumental requirements in Violin, Clarinet, and Trumpet, the following instruments are elective through class instruction: viola, cello, bass, flute, oboe, bassoon, horn, trombone, baritone, tuba, percussion. For those advanced students who are interested in small ensemble groups in woodwinds, brass, or strings, opportunity is given to survey literature for such ensembles and to study ensemble style by participation.

Mus. 71-73. Orchestra (Elementary) *1/3 semester hour*
Mr. Barrow

Three semesters are required of all music education students.

Students review and perform orchestra music of first, second, and third grade difficulty, suitable for use with school and community orchestras.

MARCHING BAND—FARRELL STADIUM

Mus. 171-178. Symphony Orchestra *1/2 semester hour*
Mr. Middleton

Eight semesters are required for all students who qualify for the Symphony Orchestra.

The Symphony Orchestra prepares music for its major programs from the standard symphonic repertoire and also accompaniments for the Student Recitals which feature vocal and instrumental majors capable of performing with full orchestra. Almost half of the time each year is spent on sight-reading as much standard symphonic literature as possible. Membership in the orchestra is determined by audition.

Mus. 81-83. Band (Elementary) *1/3 semester hour*
Mr. Barrow

Three semesters are required of all music education students.

Students review and perform band music of first, second, and third grade difficulty suitable for use with school and community bands.

Mus. 91-98. Band (Intermediate) *1/3 semester hour*
Mr. Barrow

A training organization for the study and performance of band literature of medium difficulty. This band is also open to students from the Elementary, Secondary, and Health and Physical Education curriculums for extra-curricular credit.

Mus. 181-188. Concert and Marching Band
1/2 semester hour
Mr. Carson, Mr. Barrow

Eight semesters are required of all music students who qualify for the Concert and Marching Band.

Open to men and women of any curriculum. Music for the Concert Band includes band music used at state festivals. Admission by tryout.

Mus. 332. Instrumental Conducting *2 semester hours*
Mr. Middleton, Mr. Carson

A study, theoretical and practical, of the conducting of various types of instrumental groups. Instrumentation, interpretation, balance, and score reading are studied, discussed, and practiced. Emphasis is placed on the development of adequate rehearsal techniques and skills. Physical elements which can improve or handicap a performance are discussed. Typical works of the late 18th and early 19th centuries are prepared and conducted from full score. Both semesters.

CHORAL FACULTY: DR. JONES, *Chairman*
Miss Sheppard, Mr. Sweet, Miss Williams

Mus. 61-66. Chorus *1/3 semester hour*
Choral Faculty

Six semesters are required of all music education students.

Mus. 161-168. Choir *1/2 semester hour*
Dr. Jones

Eight semesters are required of all students who qualify for the College Choir.

A study of choral works with these topics especially stressed: breathing, interpretation, tone quality, enunciation, and diction. Works suitable for junior and senior high schools and colleges are studied, and special attention is given to preparation and public performance in these works.

Mus. 331. Choral Conducting *2 semester hours*
Dr. Jones

A practical application of conducting and vocal techniques to chorus direction is made through actual practice in conducting a choral group. Score reading, rehearsal techniques, and other related subjects are studied with reference to the maintenance of an effective chorus program in the schools. Both semesters.

ELECTIVE: OPEN TO ALL STUDENTS

Mus. 7-10. Applied Music (Elective) *1 semester hour*
Music faculty

Students in any curriculum may elect to study piano, voice, or some instrument, and receive credit upon demonstration of satisfactory progress. One lesson each week. Course placement will depend upon the student's background.

REQUIRED COURSES IN MUSIC FOR ELEMENTARY EDUCATION STUDENTS

Mus. 50. Fundamentals of Music *no credit*
Mrs. Beatty, Mr. Gutscher

A course given to those students in the Elementary Curriculum who do not meet the prescribed requirements of a Standard Achievement Test in music. Fundamentals of Music includes the study of intervals, scales, measure and key signatures, simple and compound rhythms, notation and terminology, and the application of this knowledge to the reading simple music. Prerequisite to Music for the Elementary Grades. Both semesters.

Mus. 220. Fine Arts *3 semester hours*

See course description under Music: Humanities.

Mus. 251. Music for the Primary Grades *3 semester hours*

Mrs. Beatty, Mr. Gutscher

A course designed to equip the graduate, under supervision, to help in the enrichment of the music program in the primary grades of the public schools. Special emphasis is given to the student's acquiring a knowledge of the piano keyboard, voice production, elementary theory, rhythm, and form. In addition, various teaching methods and the use of materials that function in the program are presented: singing, also rhythmic listening, creative and instrumental activities keyed to the needs of the elementary child. Type lessons for the primary grades are taught by the student and constructively evaluated; observation of music in the schools is incorporated. Both semesters.

Mus. 252. Music for the Intermediate Grades *3 semester hours*

Mrs. Beatty, Mr. Gutscher

A course designed to equip the graduate, under supervision, to help in the enrichment of the music program in the intermediate grades of the public schools. Special emphasis is given to the student's acquiring a knowledge of the piano keyboard, voice production, elementary theory, rhythm, and form. In addition, various teaching methods and the use of materials that function in the program are presented: singing, creative and instrumental activities keyed to the needs of the child in the intermediate grades. Type lessons for the intermediate grades are taught by the student and constructively evaluated; observation of music in the schools is incorporated. Both semesters.

ELECTIVE COURSES IN MUSIC FOR ELEMENTARY EDUCATION STUDENTS

Mus. 100. Foundations of Music *3 semester hours*

(See course description listed under MUSIC: Humanities)

Mus. 327. Teaching Music Appreciation in the Elementary Grades *3 semester hours*

(See course description on page 163). Summer session.

Mus. 401. Piano Class (Elementary Teachers) *3 semester hours*

Mr. Carl, Mr. Sprenkle

Functional study of the piano through class lessons so that the elementary teacher may use the instrument as a means of broadening the

elementary music program into the integrated Elementary Education Curriculum. Piano accompaniments for classroom singing and rhythmic and creative activities are stressed through study, demonstrations, and teaching of practical classroom materials. A course designed primarily for the in-service elementary classroom teacher. Summer session.

Applied Music *1 semester hour*

Music faculty

Students in any curriculum may elect to study piano, voice, or some instrument, and receive credit upon demonstration of satisfactory progress. One lesson each week.

REQUIRED COURSE IN MUSIC FOR SECONDARY AND PHYSICAL EDUCATION STUDENTS

Mus. 220. Fine Arts (Music) *3 semester hours*

(See course description listed under MUSIC: Humanities).

NOTE: Many of the courses in the Music Curriculum are available to students in other departments. There are no fees for the students that qualify in the larger musical organizations, which are considered extra-curricular for non-music majors.

PUBLIC SCHOOL NURSING COURSES

P.S.N. 300. Public School Nursing *2 semester hours*
Miss Cinquana

Deals with the special training in public school nursing as a branch of public health nursing, including historical background, the various fields it covers, the problems and limitations that are involved. Responsibilities of the nation, state, community, school board, administrators, and the school nurse are studied. The new techniques of handling children with heart disease, communicable diseases, sight and hearing problems, crippled children, mentally retarded, those incapable of being educated, and accident prevention are included.

P.S.N. 301. Public School Organization for Nurses
2 semester hours
Miss Cinquana

The course is designed to prepare the school nurse to function effectively as an integral part of the public school organization. The student is acquainted with the varied relationships with which the nurse is involved in the discharge of her responsibilities. Particular emphasis is given to the general character of the American school system, its organization, administration, supervision, public relations, curriculum building, co-curricular program, and guidance.

P.S.N. 302. Public Health Nursing I *3 semester hours*

A survey of the fundamental principles and the historical background of public health work in Europe, England, and America. Much stress is placed on the recent movement to bring this work up to date in our own state and the training and procedures by which it is to be accomplished. Careful consideration is given to the social changes in medicine, preventive techniques, population trends, modern ideas of sanitation and sewage disposal, the handling and marketing of foods, housing conditions of today, methods of record keeping, Civil Service procedures, and limitations as they concern the nurse.

P.S.N. 303. Public Health Nursing II *3 semester hours*
Miss Cinquana

A continuation of Public Health Nursing I. Deals with the past history and modern practices of maternity care, infant care, child welfare, dental care, teaching proper techniques in the home, care of the crippled, handicapped in sight, hearing, and the aged. The vast opportunities open today in social work for the public health coordinator or leader in community health movements are an important aspect of the course.

P.S.N. 304. Nutrition and Community Health *2 semester hours*

Miss Cinquana

A review of nutrition from the chemical make-up of foods to the use our body makes of them and how we evaluate that use. The part the nurse plays is covered in the following fields: teaching of nutrition in schools, homes, institutions to individuals, to community organizations in regard to the proper feeding of infants, mothers, adolescents, the middle aged, the aged, the obese, those suffering from allergies, those with chronic diseases, and alcoholics. Offered in summer session only.

P.S.N. 305. Family Case Work *3 semester hours*

Miss Cinquana

A study of the processes of interviewing and making case studies of family groups. The history and sociology of the American family is used as background for study. Lectures, reports, and seminar techniques are employed. Summer session only.

SCIENCE DEPARTMENT

DR. GORDON, *Chairman of the Department*

Miss Greenwood, Dr. Trezise, Vice-Chairman, Dr. Braddock-Rogers, Mr. Skillen, Mrs. Bliss, Mr. McDonnell, Mr. Rickert, Mrs. Fitzgerald, Mrs. Shivers, Mr. Jones.

General Courses

Sci. 100. Basic Biology *3 semester hours*

Mrs. Bliss, Mrs. Fitzgerald, Miss Greenwood, Mr. Jones, Mr. McDonnell, Mr. Skillen

A course dealing with the principles of biology. Topics include cellular structure and physiology, growth and repair, reproduction and development, control, sources of food energy, inheritance, and man's interrelationship with his biological environment. The classification of plants and animals is reviewed briefly. Both semesters and summer sessions.

Sci. 150. Basic Physical Science *3 semester hours*

Dr. Braddock-Rogers, Mrs. Fitzgerald, Mr. Rickert, Mrs. Shivers, Mr. Skillen.

This course utilizes the fields of earth science and astronomy to provide a broadened background of science. The nature and uses of energy is the central theme for the study of heat, light, chemical, electrical, and atomic energy. Emphasis is placed on the methods of scientists in recognizing and solving problems Both semesters and summer sessions.

Sci. 250. Science for the Elementary Grades

3 semester hours

Miss Greenwood; Mr. Jones.

A course following the year of basic science designed to provide the elementary teacher with a more adequate background for teaching science in the elementary school. Units or problems are selected to achieve this purpose which cut across various fields of science. Emphasis is placed upon developing resourcefulness, in gathering data, and using scientific methods in the solution of such problems. Prerequisites: Basic Biology and Basic Physical Science, or acceptable equivalent courses. Both semesters and regular summer session.

Sci. 251. Matter and Energy *3 semester hours*

Mr. Rickert and staff

Understanding of motion, heat, electricity, and the structure of matter advanced beyond the levels usually attained in Basic Physical Science. Such theories as relativity and the quantum theory will be discussed on a qualitative basis. This course is recommended as an elective for students in Elementary Education and others who do not choose a Physics or Chemistry elective. Cannot be used to satisfy requirements for a field of specialization in Science. Pre-requisite: Basic Physical Science. Spring Semester and Summer Sessions.

Sci. 252. Earth Science *3 semester hours*

Mr. Rickert and staff

Forces bringing about changes in the earth's crust applied to the problem of explaining present and past changes. Diastrophism, vulcanism, erosion, and sedimentation will be included. Physical changes in the atmosphere will be studied as major influences governing the weather. Finally, the earth will be considered as a member of the solar system. This course is recommended as an elective for students in Elementary Education who have completed Science 150 (Basic Physical Science). Not open to students who have received credit for Geog. 205, 206, 301 or 302. Cannot be used to satisfy requirements for a field of specialization in Science or Geography. Fall Semester and Summer Sessions.

Sci. 350. Teaching Science in Secondary Schools

3 semester hours

Mr. McDonnell

A course planned to give the prospective science teacher a thorough grounding in the problems. The objectives of the science program in the secondary school, selection of textbooks, sources of suitable literature, how to secure materials for instruction, the preparation of units, and special techniques are studied. Prerequisites: 12 hours of work in major field. Fall semester of 1961. May be offered in Summer Session.

Biology

Biol. 111. Botany I *4 semester hours*
Mrs. Bliss, Dr. Gordon

Botany I is a study of flowering plants. Topics include the anatomy and life processes of plant cells, leaves, stems, roots, flowers, seeds, and fruits. The economic importance of plants used by man and the recognition and classification of seed plants in the immediate environs of the College are included. Fall semester.

Biol. 112. Botany II *4 semester hours*
Mrs. Bliss, Dr. Gordon

Botany II is concerned primarily with the non-flowering plants. It considers both the anatomy and life processes of selected algae, bacteria, fungi, mosses, ferns, and their allies. The economic importance and health implications of certain of these groups are emphasized. The recognition and classification of non-flowering plants in the immediate surroundings are stressed. Spring semester.

Biol. 141. Zoology I *4 semester hours*
Mr. McDonnell

A study of the life history, habits, origin, development, physiology, and anatomy of representative life forms in each phylum of the invertebrates. Emphasis is given to the study of those forms of economic importance. The student becomes acquainted with many invertebrate species found locally. Fall semester.

Biol. 142. Zoology II *4 semester hours*
Mr. McDonnell

A study of the chordates in general, and more particularly the classes of vertebrates. Topics studied include the anatomy, physiology, origin, development, and life history of representative members of each class. Special attention is given to the vertebrates found in the vicinity of the College. Spring semester.

Biol. 210. Field Botany *3 semester hours*
Dr. Gordon

A course giving methods useful in the study of plants in their natural surroundings. The use of keys, botanical manuals, and illustrated floras to identify living specimens will constitute a major activity.

Prerequisites: Basic (College) Biology or two semesters of Botany. Fall semester of 1962 and in alternate years; also during summer session.

Biol. 241. Field Zoology *3 semester hours*
Mr. McDonnell

A course to familiarize teachers with the animal life in the surround-

ing localities. Considerable attention will be given to the use of keys, charts, books, and museum specimens as guides to the identification and classification of various animals. Field trips will be taken to observe, collect, and study animals as well as their habitats. Prerequisites: Basic (College) Biology or at least one semester of Zoology. Spring semester of 1963 and in alternate years; also during summer sessions.

Biol. 242. Ornithology *3 semester hours*

Miss Greenwood, Mr. Jones, Mr. Skillen

An introduction to the birds of Pennsylvania with special emphasis on the identification of birds in the field. Lectures deal with classification, migration, habitat preference, song, courtship, nesting and rearing of young, and plumage changes. Abundant field work gives practice in identification of native birds by their songs, behavior, form, and plumage. Prerequisites: Basic (College) Biology or at least one semester of Zoology. Fall semester of 1961; also in summer pre-session.

Biol. 261-262. Anatomy and Physiology I and II

6 semester hours

Mr. McDonnell, Mr. Skillen, Dr. Trezise

A continuous two semester course of study of the human body structures and their functions. Body systems will be presented as individual units with concurrent analysis of anatomical and physiological features as they relate to the human body as an integrated whole. Major emphasis will be placed on the musculo-skeletal system.

Laboratory sessions will consist of osteology, animal dissection, and small animal experimentation that has a direct relationship to human physiology.

Three hours of lecture and two hours of laboratory per week. Both semesters and summer session.

Biol. 301. Genetics *3 semester hours*

Mrs. Bliss

A course giving the student an understanding of the laws of inheritance as they operate in plants, animals, and humans. Cell structure, Mendelian inheritance, eugenics, linkage, probability, crossing over, and random assortment are all considered. Prerequisites: six hours of biology or permission of the instructor. Fall semester of 1962 and alternate years.

Biol. 302. Ecology *3 semester hours*

Dr. Gordon, Mr. Jones

A study of plants and animals in relation to their physical and biological environments. Special topics include distribution, factors affecting distribution, life zones, food chains, and adaptations. Attention is given to plant and animal communities in Pennsylvania. Individual problems

may be assigned. Prerequisites: six hours of biology or permission of the instructor. Spring semester of 1963 and alternate years.

Biol. 310. Microbiology *3 semester hours*

Mrs. Fitzgerald, Dr. Trezise.

A study of microscopic forms of life which are commonly encountered in biological work. Some emphasis is placed on the study of disease producing species likely to affect man and his domesticated animals. Methods of culturing forms used in high school teaching are studied. Prerequisites: Botany I and II, Zoology I and II. Spring semester of 1962 and alternate years.

Biol. 341. Entomology *3 semester hours*

Mr. McDonnell

A general study of insects, including structure, physiology, economic importance, classification, and relationships. Each student is required to participate in field trips and to complete a project including a collection and report on some group of insects. Prerequisite: Basic Biology or Zoology I. Spring semester of 1962 and alternate years.

Biol. 342. Parasitology *3 semester hours*

Dr. Trezise

The consideration of the anatomy, physiology, life history, and habits of representative parasites of man and his domesticated animals. Means of prevention, detection, and control are emphasized. Special attention is given to those forms likely to be encountered in the area of the College. Prerequisites: Zoology I and II. Fall semester of 1962 and alternate years.

Biol. 343. Mammalian Anatomy *3 semester hours*

Mr. McDonnell, Dr. Trezise

A systematic approach to the study of the structure of mammals with considerable emphasis on human anatomy. Laboratory activity includes dissection of organs of large mammals, particularly bovine heart, brain, lung, and kidney. In addition, students become familiar with the human skeleton, with anatomical charts and models, and with the dissectible human mannikin. Prerequisite: Zoology II. Fall semester of 1963 and alternate years.

Biol. 344. Animal Physiology *3 semester hours*

Mr. McDonnell, Dr. Trezise

An investigation of life processes as they occur at the structural levels of the cell, the organ, and the integrated organism. Stress is placed upon the biochemical and biophysical mechanisms which are essential to the comprehension of cellular function. Laboratory exercises deal with the measurement or observation of physiological phenomena such as muscle contraction, renal function, blood clotting and typing, enzyme activity,

basal metabolic rate, and reflex behavior. Prerequisite: Zoology I and II. Fall semester of 1962 and alternate years.

Biol. 345. Plant Physiology *3 semester hours*

Dr. Gordon

A study of structural systems and processes within living plants. Water relations, syntheses of foods and other components of plant tissues will be emphasized. Growth modifiers, dormancy in buds and seeds, and the peculiar movements of plant parts are among the practical topics considered. Prerequisites: Botany I and II or equivalent. Fall semester of 1961.

Biol. 351. Embryology *3 semester hours*

Mrs. Bliss, Dr. Trezise

Involves lectures on experimental analysis of embryonic development. Some microsurgical methods will be employed. Techniques related to the study of the embryology of the chick, pig, and human will be discussed and are included in the laboratory work. Reference will be made to certain developing structures in the amphibians and fishes that are co-related. Seminars will be scheduled. Pre-requisite: Mammalian Anatomy or equivalent. Spring semester of 1962 and alternate years.

Biol. 355. Conservation of Plant and Animal Resources *3 semester hours*

Dr. Gordon, Mr. Jones

A field course in which emphasis will be placed on principles of wildlife conservation. Wildlife refuges, nature preserves, state parks, forests and game lands will be visited. Pertinent literature will form the basis of collateral reading assignments. Active membership in a nationwide organization concerned with wildlife protection will be encouraged. Pre-requisite: Basic (College) Biology or three semesters of Botany and Zoology. Fall semester of 1963.

Biol. 401. Histology *3 semester hours*

Mrs. Bliss, Dr. Trezise

The study of animal tissues, involving a discussion of the structure and physiology of the basic types. Relationships of tissues to cells and to organ systems will be studied. Laboratory work will be required for preparation of whole mount, smears, and tissue sections for microscopic study. Microstudy and histological pathology of major organs and systems will be included. A few seminars will be scheduled. Pre-requisite: Anatomy and Physiology or equivalent Biology courses. Spring semester of 1963.

Biol. 402. Cytology *3 semester hours*

Plant and animal cells are studied with particular reference to the processes of reproduction, growth, and differentiation. Theories concern-

ing the functions of the various structures will be discussed. Laboratory work will be assigned. Informal seminars will form a basic part of this course. Pre-requisites: Invertebrate Zoology, two semesters of General Biology, or equivalent. Contingent upon demand.

Biol. 452. Special Problems in Biology *1 to 3 semester hours*

A tutorial course for advanced undergraduates who are judged capable of doing independent study and research on a minor problem. An opportunity is provided to investigate details of anatomy, behavior, physiology, variations within a species, and inter-relations of plants and animals. To be arranged by permission of a professor or associate professor.

Chemistry

Chem. 120. General Chemistry (for Health Education students only) *3 semester hours*

Dr. Braddock-Rogers and staff

Required of all students of health and physical education but does not satisfy the requirements in chemistry for science majors. Includes a general study of several of the common elements, several types of problems, and the fundamental laws of chemistry. A brief study of the periodic table and atomic structure is introduced very early in the semester. Both semesters.

Chem. 121. Inorganic Chemistry I *4 semester hours*

Dr. Braddock-Rogers

The fundamentals of chemical combination. Atomic structure, chemical bonding, the periodic table, oxidation and reduction, solutions, and electro-chemistry are among the topics which are stressed. Fall semester.

Chem. 122. Inorganic Chemistry II *4 semester hours*

Dr. Braddock-Rogers

A continuation of Chemistry 121. Ionization, the modern concept of acids and bases, and an intensive study of the chemistry and industrial aspects of a number of the common and important elements are the subject of this course. Prerequisite: Chemistry 121. Spring semester.

Chem. 123. Inorganic Chemistry III *4 semester hours*

This is a continuation of Inorganic Chemistry II in which emphasis will be placed on the Industrial aspects of chemistry. This class work is supplemented by selected experiences and trips to neighboring industries. Prerequisites: Inorganic Chemistry I and II. Contingent on enrollment.

Chem. 221. Qualitative Analysis *3 semester hours*
Dr. Braddock-Rogers

A study of the theoretical principles and practices underlying analytical chemistry. It includes study and practice in separating and identifying the cations and anions of the more common elements and radicals. Prerequisites: Inorganic Chemistry I and II. Fall semester of 1961 and alternate years.

Chem. 222. Quantitative Analysis *3 semester hours*
Dr. Braddock-Rogers

Introductory training in the theory and practice of gravimetric, volumetric, electrolytic, and potentiometric analysis. Quantitative calculations and relations are stressed. Prerequisites: Inorganic Chemistry I and II. Spring semester of 1962 and alternate years.

Chem. 321. Organic Chemistry I *4 semester hours*
Dr. Braddock-Rogers

An elective for those who plan to major or minor in chemistry. It includes a study of the hydrogen compounds of carbon of the aliphatic series with emphasis on structural relationships and nomenclature as well as on uses and characteristic properties. Prerequisites: Inorganic Chemistry I and II. Fall semester of 1962 and alternate years.

Chem. 322. Organic Chemistry II *4 semester hours*
Dr. Braddock-Rogers

This is a continuation of Organic Chemistry I with emphasis on the aromatic series and an introduction to the heterocyclic compounds. Prerequisites: Organic Chemistry I; Inorganic Chemistry I and II. Spring semester of 1963 and alternate years.

Chem. 325. Physical Chemistry *3 semester hours*

The energy relations of chemical processes. Representative topics which will be studied are the properties of the states of matter, theory of solutions, thermo-chemistry, kinetics of reactions, the phase rule and equilibrium. Contingent upon demand.

Physics

Phys. 131. Physics I *4 semester hours*
Mr. Rickert

An introductory course in mechanics, heat, and sound. Some of the topics studied are the mechanics of solids, liquids, gases, thermometry, calorimetry, and heat transference, the production and nature of sound waves including musical sounds. Fall semester.

Phys. 132. Physics II *4 semester hours*
Mr. Rickert

An introductory course in light, magnetism, and electricity. Some of the topics discussed are reflection and refraction, optical instruments, spectra, and interference. The portion devoted to electricity and magnetism deals with the general concepts of magnetism, electrostatics, electrical circuits, generators, motors, and alternating currents. Spring semester.

Phys. 231. Mechanics *4 semester hours*
Mr. Rickert

An intermediate course in mechanics of solids, liquids, and gases. An opportunity is provided for a deeper insight into the principles in operation and their practical application. Studies are made of rectilinear and circular motion, work and energy, impulse and momentum, simple harmonic motion, and hydrostatics. Emphasis is placed on qualitative considerations. Prerequisites: Physics I and II and Differential Calculus. Fall semester of 1962 and alternate years.

Phys. 330. General Astronomy *3 semester hours*
Mr. Rickert

Recognition of constellations and various components of the solar system using the naked eye and low power telescopes, supplemented by specific textbook assignments. This course is required for certification in the field of Earth and Space Science. Spring semester of 1963 and alternate years.

Phys. 331. Electricity and Magnetism *4 semester hours*
Mr. Rickert

An advanced course in general electricity and magnetism. The electric magnetic fields, D.C. and A.C. circuits, capacitance, inductance, electromotive force, and electrical instruments are among the topics developed. Prerequisite: Physics I and II and Differential Calculus. Fall semester of 1962 and alternate years.

Phys. 332. Electronics *3 semester hours*
Mr. Rickert

A course dealing with the electron, inducing the charge, emission, and velocity of the electron. The fundamentals of vacuum tubes and their circuits and the use of tubes in communications and industry are studied. Prerequisites: Physics I and II. Spring semester of 1962 and alternate years.

Phys. 333. Optics *4 semester hours*

An intermediate course in optics. Geometrical and physical optics are included. Reflection and refraction at surfaces, lenses, interference

and diffraction, elementary spectroscopy and polarization of light are discussed. Applications are made in the study of optical instruments. Prerequisites: Physics I and II. Contingent upon demand.

Phys. 431. Modern Physics *3 semester hours*

Mr. Rickert

An intermediate discussion of some ideas of modern physics. Emphasis is placed upon fundamental concepts and experimental results. Topics include fundamental particles of matter, qualitative concepts of quantum theory, relativity, the solid state, radioactivity and other nuclear processes, nuclear structure, and cosmic rays. Prerequisite: Physics I and II. Spring semester of 1963 and alternate years.

Phys. 432. Atomic Physics *3 semester hours*

Mr. Rickert

A discussion of the atomicity of electricity, matter, and light. Emphasis is placed upon fundamental concepts and experimental results. Topics discussed include the electron, the ideal gas, positively charged particles, line spectra, x-rays, black body radiation, emission and absorption processes, the Bohr atoms and the periodic table. Pre-requisite: Physics I and II. Fall semester of 1961 and alternate years.

SOCIAL STUDIES DEPARTMENT

Dr. Fleck, *Chairman of the Department*

Dr. Vollbrecht, Mrs. Ivins, Mr. Shaffer, Dr. Harding, Dr. Everett, Dr. Maneval, Mr. Morgan, Mrs. Shur, Mr. Benner, Mr. Williamson.

General

Soc. St. 331. Teaching Social Studies in Secondary Schools *3 semester hours*

Mr. Shaffer

A course to familiarize prospective teachers with desirable methods which may be used in teaching the social studies. Emphasis is placed on the philosophy, objectives, courses of study, and organization of subject matter for teaching purposes, curriculum materials, procedures, and development. Both semesters and summer.

Soc. St. 332. Teaching Social Studies and Geography in Elementary Schools *3 semester hours*

Mrs. Shur

A course designed to acquaint students with up-to-date methods of teaching social studies and geography as an integrated program in the

new elementary curriculum. It is a survey of methods and techniques, stressing the profitable use of community affairs and resources, and the development of good civic attitudes in social living. It considers techniques in the use of maps, specimens, pictures, and other tools of learning which are of special value in social studies and resources and problems of teacher responsibility in community activities. Student participation in community activities is stressed. Both semesters and summer.

History

Hist. 201. History of Civilization I *3 semester hours*
Staff

A study of the origin and development of the political, social, economic, and religious institutions which constitute modern civilization, with emphasis upon broad movements to make realistic the information necessary for a proper understanding of the great heritage that is ours in the present day. Fall semester and summer.

Hist. 202. History of Civilization II *3 semester hours*
Staff

A continuation of Hist. 201 from the Reformation to the present. Spring semester and summer.

Hist. 218. The Ancient World *3 semester hours*
Dr. Harding

A study of the history and culture of the ancient civilizations and of the classical world to the fall of the Western Roman Empire. Special emphasis will be placed on the Hellenic and Hellenistic worlds, and attention will be given to the relationships of this ancient world to that of the Orient. Fall semester of odd years.

Hist. 219. Medieval Europe *3 semester hours*
Mrs. Ivins

This course covers western development from the fall of Rome to the conclusion of the Renaissance. Emphasis is placed upon the economic, social, political and intellectual developments in the major kingdoms of the West and upon the history of the Universal church. Particular attention is paid to the seigneurial-urban revolution of the eleventh century. Spring semester of odd years.

Hist. 220. Renaissance to Reformation *3 semester hours*

A study of the Renaissance and Reformation with particular emphasis on the important political, economic, social, and cultural forces that emerged during this period of transition and ushered in the modern western culture. Emphasis is placed on the evolution of modern states and the rise of individualism. Fall semester of odd years.

POOL, HOLLINGER FIELD HOUSE

Hist. 221. Modern Europe to 1815 *3 semester hours*

Dr. Vollbrecht, Mr. Shaffer

The purpose of this course is to give a broad view of the Reformation, the development of nationalism, and the revival of science. Emphasis is placed on the Old Regime through a study of the Age of Louis XIV, the rise of Prussia and Russia, imperial rivalries, and the Intellectual Revolution. The course concludes with a study of the French Revolution and Napoleonic Wars. Fall semester.

Hist. 222. Modern Europe Since 1815 *3 semester hours*

Dr. Vollbrecht

A comprehensive study of the factors contributed by the European people in their national organization through their political, social, and economic activities. The understanding of the casual and intergroup relationships are essentially basic to analysis and interpretations of the difficulties facing the European world today. Spring semester.

Hist. 310. History of the United States and Pennsylvania *3 semester hours*

Staff

For all students who are not Social Studies majors

A survey course in the history of the United States from the beginning of the colonial period to the present. Emphasis is placed on the social, economic, political and intellectual developments of our nation and commonwealth. Both semesters and summer.

Hist. 311. History of United States and Pennsylvania I *3 semester hours*

Staff

A survey course in the history of the United States and Pennsylvania from the beginning of the colonial period to the end of the Civil War. Emphasis is placed on the social, economic, political, and intellectual development of our nation in general and our Commonwealth in particular. Fall semester and summer.

Hist. 312. History of the United States and Pennsylvania II *3 semester hours*

Staff

A survey course in the history of the United States and Pennsylvania from 1865 to the present. Stress is placed on the impact of the Industrial Revolution on our society, the growth of labor, world power, our part in World Wars I and II, and the activities of our nation in behalf of international organization. Spring semester and summer.

Hist. 313. History of Pennsylvania *3 semester hours*

Dr. Everett

A study of the founding and development of Pennsylvania from its colonial beginning to the present time. Emphasis is placed on the social, economic, political, and intellectual developments in the different periods of its history. Special attention is given to the diversity of the people, their institutions and problems, and the growth of Pennsylvania to a leading position in our modern industrial world. Fall semester and summer.

Hist. 314. Diplomatic History of the United States

3 semester hours

Dr. Everett

A study of our foreign relations from the beginning of our national history to the present. Such aspects as the growth and influence of a policy of "isolation," the creation and development of the Monroe Doctrine, the changing position of the United States as a world power, and the problems incident to the assumption of the resulting responsibilities. Spring semester of even years.

Hist. 315. Economic History of the United States

3 semester hours

Dr. Fleck

A study of the economic development of the American nation. Emphasis is placed on the economic factors and forces underlying the changes taking place as a young, frontier country, primarily agricultural, emerges as a wealthy and complex industrial power. Special attention is given to the growth of consumption as well as production and to the increasing role of the individual as a primary center of economic interest. Spring semester of odd years.

Hist. 316. History of the American Frontier

3 semester hours

Mr. Shaffer

The study of the westward movement and expansion from colonial times to the end of the nineteenth century with a consideration of the frontier forces which shaped American democratic institutions and ideals. Spring semester of even years.

Hist. 317. History of American Science and Technology *3 semester hours*

Dr. Everett

This course studies the importance of science, invention, and technology in the rise of the American nation. The scope of time is from 1607 to the present and develops the transition from domestic manufacture to the machine age. Special consideration is given to noteworthy scientists, inventors and technologists. Fall semester of even years.

Hist. 318. Constitutional History of the United States *3 semester hours*

Dr. Fleck

A study of the growth of the American Constitution from the Philadelphia convention of 1787 to the present time. Notable constitutional crises over such issues as nullification, secession, centralization, and presidential power are examined. Particular attention is given to the work of the Supreme Court in successive periods such as the Marshall Era, the Taney Era, the Post-Civil War Era, the New Deal Era, and the Civil Rights Era. Fall semester of even years.

Hist. 321. History of England *3 semester hours*

Dr. Fleck

The growth of the people and institutions of England from the conquest by the Anglo-Saxons to the present. The emphasis is placed on the development of those factors that gave rise to the struggle and events that culminated in the establishment of democratic principles and organization in our modern world. Fall semester of even years.

Hist. 322. History of the Far East *3 semester hours*

Mrs. Shur

A study of the development of the people of China, India, Japan, Indonesia, and the Pacific Islands. Attention is given to their cultures and developmental problems as they are related to each other and to the occident. Spring semester of even years.

Hist. 323. History of the Middle East *3 semester hours*

Dr. Harding

A study of the various civilizations that developed in this area with regard to their contributions as they influenced both oriental and occidental achievements. Special emphasis is placed on the modern aspects of their relation to world knowledge and to problems of current international interest. Fall semester of even years.

Hist. 324. History of Latin America *3 semester hours*

Mr. Morgan

The development of the Latin American countries from the period of discovery to the present. The economic, social, political, and cultural areas receive special attention first as domestic problems, then as they are related to the various political units involved. The influence of European and American relations as they are reflected in local changes are given consideration. Spring semester of odd years.

Hist. 325. History of the Twentieth Century World *3 semester hours*

Dr. Everett

The significance of events in the present century brought out by a study of the growth of capitalism, imperialism, totalitarianism, interna-

tional jealousies. World Wars I and II, and the attempts of the family of nations to find world peace through international understanding. Fall semester of odd years.

Hist. 326. History of Russia *3 semester hours*

Dr. Fleck

A study of the Russians from the time of the Slavic migrations and the Kievan state to the present. Major emphasis is on the period since Peter the Great, with particular concentration on the political, diplomatic, economic and social development of Russia from 1917 to the present day. Spring semester.

Economics

Ec. 331. Principles of Economics *3 semester hours*

A study of the economic principles which are fundamental for an appreciation of our modern economy. While stressing the forces and factors that explain production, distribution, and consumption in our capitalistic order, much attention is also given to practical economic matters, including labor problems, co-operative movements, and business management. Both semesters and summer.

Ec. 332. Contemporary Economic Problems *3 semester hours*

A study of certain of our more crucial present day problems such as: labor relations, money and banking, international trade, government regulation. Fall semester of even years.

Ec. 333. Consumer Economics *3 semester hours*

A course designed to develop techniques and methods which will enable the buyer to evaluate, on a quality and price basis, the myriad goods sold in the modern market place. Among the matters considered are the following: installment buying, choice of product, insurance, advertising, and others of similar importance. Spring semester of even years.

Ec. 334. Industrial Relations *3 semester hours*

A history of the industrial movements in order to understand the problems involved in the background. Then follows a study of human relationships in industrial enterprise, the place of collective bargaining, and personnel administration. Spring semester of odd years.

Political Science

Pol. Sci. 331. State and Local Government *3 semester hours*

The organization, structure, and functions of our state, county, and city governments. Consideration is given to modern administrative tech-

niques and methods as they apply to state and local governmental units. Special emphasis is placed upon Pennsylvania state and local governmental organs. Spring semester of odd years.

Pol. Sci. 332. Comparative Government *3 semester hours*

Major attention is given to Great Britain and Soviet Russia as best representing, among foreign governments, the democratic and authoritarian systems. Brief consideration is given to the governments of France, Italy, Germany, and Japan. Frequent comparison and contrasts are drawn between these governments and government in the United States. Fall semester of odd years.

Pol. Sci. 333. International Relations *3 semester hours*

Dr. Harding

A study of the modern economic, social, political, religious, and cultural problems that reflect the influence of international relationships of the nations of the world using the United States as the point of departure. Special attention is paid to the struggle of the people through their representatives in international conferences and organizations to resolve their differences. Spring semester of odd years.

Pol. Sci. 334. American Political Parties *3 semester hours*

A study of American political parties, pressure groups, and elections. The course covers such topics as party organization, legal control of parties, finance, nominations, the conduct of elections, the right to vote, political machines, bosses, lobbies, and public opinion. Some comparisons are made with the English and French party systems. Spring semester of even years.

Pol. Sci. 431. American Government *3 semester hours*

Staff

A study of the general principles of the American system of constitutional government; special emphasis is placed upon the organization and functions of the national government — legislative, executive, and judicial; the rights and duties of citizenship; the electorate, political parties, civil rights, and the growing regulatory functions of government are carefully treated. Both semesters and summer.

Sociology

Soc. 331. Principles of Sociology *3 semester hours*

Dr. Maneval

A basic course in sociology dealing with the interaction arising from the association of human beings. Emphasis is placed upon natural and social heritage, the meaning and functions of culture, the origin, function, and characteristics of social institutions, such as family, religion, and the state; inquiry into the nature and genesis of social pathology. Both semesters and summer.

Soc. 332. Contemporary Social Problems *3 semester hours*

Dr. Maneval

An advanced course in sociology. It deals with several problems such as poverty, unemployment, crime, divorce, and mental maladjustment. Lectures, reports, and seminar techniques are used. Fall semester of odd years.

Soc. 333. The Family *3 semester hours*

Dr. Maneval

The development of the family and home in its historical, economic, and legal aspects. The various factors influencing the organization, disorganization, and reorganization, of the family are considered, as well as the modern trends in this basic institution. Both semesters and summer.

Soc. 334. Juvenile Delinquency *3 semester hours*

Dr. Maneval

The purpose of this course is to meet the needs of those interested in the areas of delinquency, probation, child care and community recreation. The functions of the family, neighborhood, and community will be discussed together with the dangers of social disorganization inherent in our institutions. The social treatment such as character building agencies, probation, and reform schools will be reviewed. The work of the juvenile court process, the child guidance clinic, and counseling will be analyzed. Spring semester of even years.

Soc. 335. Racial and Cultural Minorities *3 semester hours*

Dr. Maneval

The condition of minority groups in America, the problems of assimilation of the foreign born, the immigration policy of the United States, race friction, and prejudices and the need for interracial cooperation will be investigated. Fall semester of even years.

SUMMER SESSIONS OF 1962

Pre-Session: (3 weeks) _____ June 4 - June 22

Regular Session: (6 weeks) _____ June 25 - Aug. 3

Post Session: (3 weeks) _____ Aug. 6 - Aug. 24

Credit Secured in Summer School

No student will be allowed to secure more credits than the number of weeks in a session except by special permission of the Dean of Academic Affairs. A student may enroll for one, two, or all three sessions. By attending all twelve weeks a student can complete twelve semester hours of credit.

Expenses and Fees *

Board and room are $17. a week. The Activity Fee for the Regular Session is $3.50 and for the Pre-Session and post session $1.75 each. Books must be purchased. They will cost approximately $6.00 per course. A basic fee of $12.50 per semester hour of credit (minimum basic fee—$37.50, covering instructional costs, is charged for legal residents of Pennsylvania; out-of-state students pay at the rate of $15. per semester hour of credit (minimum basic fee—$45.). The full expense of any summer session must be paid on the day of registration.

Health and Physical Education

During the Summer Sessions, the College plans to offer courses in the Health and Physical Education curriculum. The courses to be offered will be of collegiate grade and will carry credit toward the B.S. degree in the field of health and physical education. The program will interest and appeal to the following groups of people:

1. Those who are planning to meet requirements for the degree in health and physical education;

2. Graduates of other curricula who now plan to secure teaching certification in the health and physical education field;

3. Teachers in service who are called upon to teach and supervise health and physical education and playground work and who desire to meet the state requirements for this work.

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*Fees subject to change without notice.

Music Education

During the Summer Sessions the College plans to offer courses in Music Education for three classes of people:

1. Those who are planning to meet requirements for the degree in music education;

2. Supervisors of music in the elementary or secondary schools who are desirous of furthering their musical education;

3. Those who have done advanced or somewhat irregular work in music and who wish to continue their education in the four-year college curriculum.

In the Summer Sessions, courses will be offered only when a sufficient number of students apply for them.

More detailed information about the Summer Sessions will be sent upon request to the Director of Admissions, West Chester State College, West Chester, Pennsylvania.

EXTENSION WORK

Extension courses permitted in the four-year curricula for the preparation of teachers of the public schools:

1. The College adheres to the regulations set up by the American Association of Colleges for Teacher Education. A committee of this Association has recommended that extension credits be limited to thirty-two semester hours in the four-year curricula;

2. Any courses in the four-year curricula may be offered by the State Colleges subject to the standards approved by the State Council of Education;

3. Credit for equivalent courses given by other institutions may be given subject to the thirty-two semester hour limit and provided the courses have been given in accord with the standards of the State Council of Education;

4. All instructors of extension classes must be regularly elected members of the faculty, and the names of all such persons employed must appear in the regular catalogue as members of the faculty.

5. Extension credits previous to June 1, 1941, shall be in accord with the limited list in effect at that time.

COLLEGE COURSES FOR TEACHERS

Each semester a number of courses may be offered in the evenings and on Saturday mornings. These courses are planned for teachers in service who wish to continue their work toward a degree. The courses given are selected from the several curricula and are chosen with the idea of accommodating as many teachers as possible.

The cost of these courses is at the rate of $12.50 per semester hour of credit for legal residents of Pennsylvania. A minimum basic fee of $37.50 will be charged. For out-of-state students the rate is $15. per semester hour (minimum basic fee — $45.).

No Activity Fee is charged students who are enrolled in the College Courses for Teachers. The payment of the Activity Fee does, however, entitle the student to participate in all student activities and college activities that are provided for by this fee.

Not more than six semester hours of credit will be allowed for courses completed in any one semester by a student who during such term, is a regularly employed full-time teacher.

The College gladly welcomes any suggestions for courses to be offered evenings and Saturdays. Such requests should be mailed to the Dean of Academic Affairs.

GRADUATE STUDIES

West Chester began offering a program of graduate studies in the Fall semester of 1959. The graduate program has been organized in accordance with plans approved by the Pennsylvania State Council of Education. Classes are scheduled for late afternoons, evenings, and Saturdays during the regular college year. A full-time program of graduate work is offered during the last two weeks of the Pre-Sessions, during the regular six weeks summer sessions, and during the first two weeks of the Post Sessions.

The graduate program provides for twelve hours of general and cultural courses with an opportunity for specialization at the graduate level in English, geography, social studies, music, mathematics, health and physical education, and science, as well as required professional courses in elementary and secondary education.

The Graduate Program enrollments for the sessions from 1959 to the present are listed below:

Fall, 1959	188
Spring, 1960	166
Total Summer, 1960	306
Fall, 1960	203
Spring, 1961	210

A breakdown of the current enrollment by curriculum produces the following figures:

Secondary Education	77
Elementary Education	47
Physical Education	44
Music	38
Special	4
Total	210

The program has grown approximately 16 per cent in its first year and a half of operation and will probably continue to grow at a gradual rate over the years. Since it is designed especially for in-service teachers, the outlook for the immediate future is that it will most likely tend to be a part-time program in the spring and fall terms and a full program in the summer session.

It is anticipated that the first group of graduates will emerge from these sessions to receive their Master of Education degree at the August commencement, 1961.

A special Graduate Study Bulletin and further information regarding the graduate program may be secured by writing the Director of Graduate Studies, West Chester State College, West Chester, Pennsylvania.

CURRICULAR DISTRIBUTION OF THE TOTAL ENROLLMENT FOR WEST CHESTER-SPRING, 1961

Curriculum	Undergraduate Full-time	Part-time	Grad.**	Total
Elementary	823	- -	47	870
Secondary	698	- -	77	775
Health Education*	556	- -	44	600
Music	251	- -	38	289
Cert. Students	- -	134	- -	134
Pub. Sch. Nurses	- -	97	- -	97
Student Nurses	- -	63	- -	63
Specials	5	35	4	44
Totals	2333	329	210	2872

*Health Ed. Men — 337; Health Ed. Women — 219.
**All graduate students are part-time students.

GEOGRAPHIC DISTRIBUTION OF THE FULL-TIME UNDERGRADUATE ENROLLMENT FOR WEST CHESTER - SPRING, 1961

Geographic Origin	No. of Students	Per Cent of Total Enrollment
In-State:		
Delaware County	653	28.0
Philadelphia County	389	16.6
Chester County	323	13.8
Montgomery County	254	10.8
Bucks County	82	3.5
Sub-total	1701	72.7
Other counties	561	24.0
Total Pennsylvania	2262	96.7
Out-of-State	76	3.3
Grand Total	2338	100.0

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REGISTRATION

The West Chester State College devotes its major facilities to the education of teachers for the public schools. If you are interested in earning the degree of Bachelor of Science in Education and a college certificate valid for teaching in the public schools of Pennsylvania, please fill in the form at the bottom of this page and return it to the Director of Admissions, West Chester State College, West Chester, Pa.

(Cut Here)

WEST CHESTER STATE COLLEGE

(3-61) (Use Ink)

WEST CHESTER, PENNSYLVANIA

REQUEST FOR APPLICATION FORMS

1. Name ..... (Last) (First) (Second)

2. Number and Street ..... County .....

3. City ..... Zone ..... State .....

4. When do you wish to enter this College?
   Month (September, January or June) ..... 19.....

5. In what curriculum do you wish to enroll?

   Elementary ..... Secondary ..... Physical Ed. ..... Music .....

   If Secondary Education, list Major ..... Minor .....

6. Have you attended any other college? Yes..... No..... If so,

   give name of the college .....

7. Do you apply as a Resident Student? ..... Day Student?.....

8. Are you eligible for veterans' benefits? Yes ..... No .....

9. Date of graduation from High School: Month ..... Year.....

NOTE: When this information has been received by the Director of Admissions, instructions for completing your application will be sent to you.

WEST CHESTER STATE COLLEGE
WEST CHESTER, PA.
VIRTUE AND LIBERTY
INDEPENDENCE

Office Copy
Joseph K. Hall

Bulletin WEST CHESTER STATE COLLEGE

SUMMER

SESSIONS

1962

UNDERGRADUATE

GRADUATE

Advance Announcement

ACADEMIC YEAR

1962 - 1963

WEST CHESTER

PENNSYLVANIA

ADMINISTRATIVE OFFICERS

Acting President ..... Earl F. Sykes

Academic Affairs

Dean of Academic Affairs ..... Earl F. Sykes
Director of the
Undergraduate Program ..... Emil H. Messikomer
Acting Director
of the Graduate Program ..... Thomas E. Berry
Staff Assistant to the
Dean of Academic Affairs ..... Arnold Fletcher
Director of Admissions ..... B. Paul Ross
Assistant to the Director of Admissions Milton C. Woodlen
Registrar ..... Helen E. Shippee
Head Librarian ..... Joseph K. Hall
Principal of the
Demonstration School ..... Gerald F. Cartright
Director of Student Teaching
and Placement ..... Mark M. Evans

Student Affairs

Dean of Student Affairs ..... Jack A. Owens
Assistant to the
Dean of Student Affairs ..... William R. Benner
Dean of Women ..... M. Jane Caton
Assistant Dean of Women ..... Bernice H. Bernatz
Assistant Dean of Women ..... Florence B. Ingram
Dean of Men ..... W. Glenn Killinger
Assistant Dean of Men ..... Robert M. Mitten
Director of the
Student Activities Association .... B. Reed Henderson
Director of Athletics ..... Robert W. Reese

Administrative Affairs

Dean of Administrative Affairs ..... Kenneth R. Widdall
Business Manager ..... Everett E. Shaefer
Assistant Business Manager ..... Robert Crauder
Superintendent of Buildings and Grounds Herbert Clavier
Assistant to the Superintendent
of Buildings and Grounds ..... William A. Peoples

Public Relations and College Publications

Director of Public Relations
and College Publications ..... Alexander Antonowich

WEST CHESTER STATE COLLEGE BULLETIN

Vol. 90 FEBRUARY, 1962 No. 1

Issued four times a year — February, March, April and May — by the Trustees of the West Chester State College, West Chester, Pennsylvania.

Entered as Second-Class Matter March 3, 1931, at the Post Office at West Chester, Pa., under the act of Congress of August 24, 1912.

About West Chester State College

West Chester State College is accredited by the Middle States Association of Colleges and Secondary Schools; the National Council for Accreditation of Teacher Education; the American Association for Health, Physical Education and Recreation; and the National Association of Schools of Music.

Modern and adequate science laboratories, instructional equipment, and classroom faciilties are provided.

The annual All-Star Course brings to the campus some of the world's most famous artists in the fields of music, drama and dance. Among these have been the Pittsburgh, Detroit, National, Cleveland and Minneapolis Symphony Orchestras, the Canadian Players, the Singing Boys of Norway, George London, Isaac Stern, Carmen Amaya, Roberta Peters, the Jose Limon Dance Company, Brian Sullivan, Maureen Forrester, the Columbus Boychoir, Blanche Thebom, Jerome Hines, the Dublin Gate Theatre, the Chicago Opera Ballet, and the Robert Shaw Chorale.

The William Pyle Philips Lecture Foundation brings to the campus lecturers who are leaders in the fields of literature, science and world affairs. Among these have been Madame V. L. Pandit, Arnold Toynbee, Harrison Salisbury, Loren Eiseley, Daniel Schorr, Ashley Montague, Walter Sullivan, Robert Frost, Bennett Cerf, Max Lerner, and William Teller.

The college Assemblies, which are held approximately twice each month, provide the students, faculty and citizens of the community with an additional series of cultural and professional programs.

In addition to regular courses for preparing ELEMENTARY *and* SECONDARY *teachers, West Chester has two special curricula preparing teachers in* MUSIC *and* HEALTH AND PHYSICAL EDUCATION.

The College maintains an active Placement Service without cost to graduates.

SUMMER SESSIONS

GENERAL STATEMENT

The twelve-week summer sessions are divided into three periods: the Pre Session of three weeks, the Regular Session of six weeks, and the Post Session of three weeks. The schedule includes courses for regular college students and a number of special offerings for teachers in service.

West Chester State College is located in a beautiful residential town of Chester County, near the historic Brandywine and Valley Forge. Students enjoy the added advantage of easy access to Philadelphia, New York, and Atlantic City.

The College provides for its wide area of service a modern, progressive, and constantly expanding co-educational program. The major aim of this program is the preparation of teachers particularly for the public schools of the Commonwealth of Pennsylvania. Students who have attended summer sessions at West Chester know it is an ideal place to combine serious study with wholesome recreation and student life.

SOCIAL AND RECREATIONAL PROGRAM

A summer at West Chester gives the student an opportunity to pursue college work under the most favorable conditions. The tree-shaded campus, with its conveniently located buildings, provides a beautiful and restful environment.

Opportunities for recreation are many: softball, tennis, swimming, and other recreational activities. Social hours, when the students may talk informally with their professors, are a feature of the Pre and Post Sessions.

The borough and vicinity of West Chester are beautiful and at the same time provide material for study and research in history, science, and the arts. Philadelphia excels in scenic and historic interest, and special trips to the city will be arranged for those interested in taking advantage of these opportunities.

Seeing the world-famous fountains at Longwood Gardens, picnicking and canoeing on the Brandywine, taking advantage of the best in music, art, and the theatre—these are some of the events that make a summer at West Chester much to be desired.

DEMONSTRATION SCHOOL

The Demonstration School will be open during the six weeks' session for the purpose of demonstrating teaching at the elementary level. Experience in student teaching will be available for a limited number of students who file applications early in the spring.

WORKSHOP IN ELEMENTARY EDUCATION

A Workshop in Elementary Education will be conducted to provide opportunity for study of newer practices in elementary education. Current problems will be shared by the members of the group. Discussions will be led by an experienced coordinator. Master teachers and the facilities of the Demonstration School will be utilized for demonstration and observation. The Workshop will meet during the first and second periods (8:00-11:00 A.M.) during the Regular Session and will carry four semester hours of credit. Students may elect an additional three credit course. The Workshop is open to experienced teachers and college graduates.

WORKSHOP IN COMMUNITY AND SCHOOL HEALTH EDUCATION

The Community and School Health Education Workshop for rural teachers, school nurses, health education specialists, and others engaged in health work will be conducted during the three-week period from June 25 to July 13. Three college credits may be earned by students who meet the College admission requirements. No additional courses may be carried by the student during this three-week session. Information and application forms may be secured from your local County Superintendent of Schools, the Executive Secretary of the County Tuberculosis and Health Society of the county in which you reside, or from the Director of the Workshop, West Chester State College, West Chester, Pennsylvania.

WORKSHOP IN SPECIAL EDUCATION

An opportunity to undertake an intensive program of observation and instruction of mentally retarded or physically handicapped children; six week tutorial experience guiding the development of a child who has special learning problems. Actual instruction experience will be combined with lecture demonstration and case study. (Regular Session, 8:00 A.M.—12:00 Noon, 6 Credits)

WORKSHOP IN MUSIC

A summer music workshop for serious musicians of high school age will be held from July 9 to August 2 under the sponsorship of the Music Department. Offerings will include: band, orchestra, chorus, individual lessons, music theory, ensembles, and dance band. Concerts, recitals, and special clinics, open to the public, will be presented during the workshop. For brochure and application forms, write to: Richard A. Boerlin, Workshop Director, Music Department, West Chester State College, West Chester, Pennsylvania.

MUSIC WORKSHOP FEES

Total fee for commuting students (including accident insurance, individual lessons, activity fee, and full workshop privileges) $59.00

Total fee for resident students (including above, plus room and board on campus for four weeks) $139.00

STRING CONFERENCE AND CHAMBER MUSIC WORKSHOP

AUGUST 12 - 19, 1962

The Pennsylvania String Teachers Association, in cooperation with the Music Department of West Chester State College, will present a 7-day string conference and chamber music workshop from August 12 to August 19 in the new, air-conditioned Swope Hall. A faculty of internationally known string authorities will present master classes for each of the stringed instruments. A daily two-hour string orchestra repertory session will be directed by a number of well-known conductors. Two orchestras, an adult string orchestra and a youth string orchestra, will rehearse daily, culminating in performances at the end of the week. Chamber music ensembles will be organized and coached by members of the distinkuished faculty. A complete program for young musicians, ages 12-18, will be presented, including participation in a string orchestra, sectional rehearsals, chamber music, attendance at master classes, and recreation. Information and application forms may be obtained by writing Dr. Constantine Johns, Department of Music, West Chester State College, West Chester, Pennsylvania.

A PROGRAM OF INDEPENDENT STUDY AND SUPERVISED FIELD EXPERIENCE IN CAMPING

The Department of Health, Physical Education, and Recreation offers a special program of courses in camp leadership for staff members at children's summer camps. These courses are designed to aid the student's professional growth and knowledge through directed leadership experience with children in the informal atmosphere of the camp.

COURSES AVAILABLE

Undergraduate Students

464. Supervised Recreation Leadership — 3 credits. (6 to 8 weeks' attendance at camp July through August).

ELIGIBILITY:

Any matriculated student at West Chester State College is eligible to participate in the program. Permission of the special adviser should be obtainedl if credit is to be applied toward a degree. Students from other colleges may register with the permission of the course instructor. It is suggested that students enrolled at other colleges obtain the approval of their special adviser or appropriate administrative officer to assure that these courses may be applied toward degree requirements.

SEMINAR IN CONTEMPORARY EUROPEAN CULTURE

COST: The cost to each student will be approximately $1,300, plus the tuition for the course.

DATES: The tour will leave from Montreal on June 28th (after pre-session) and will return to New York on August 20th.

ELIGIBILITY: Any student registered at the college for a full academic year prior to the departure of the tour, or who has in the past been so registered, will be eligible to participate in the tour.

COLLEGE CREDIT: The tour will be organized as a fully accredited course offered to students of the college.

COURSE DESCRIPTION: Social Studies 300:

Seminar in Contemporary European Culture
6 cr. hrs.

A fully guided tour of Europe with visits to important areas of the major countries. The tour will be organized as a seminar with a number of orientation discussion before departure. Opportunity will be provided for questions and discussion periods en route. A term paper, in which the student will be encouraged to do research on some particular facet of the tour, will be required; as well as a general examination (given after completion of the tour) over the material observed by the student during his travels.

All students participating in the tour will be required to pay the tuition fees, even though they may wish to merely audit the course and not take it for credit — in which case they need not write the term paper or take the final examination.

●

CREDITS

Credits for the summer sessions may be earned at the rate of one semester hour per week of work; thus, a student attending all three sessions may earn twelve credits.

Students will not be permitted to carry more than six semester hours of work in the Regular Session unless permission to do so has been secured in advance from the Dean of Academic Affairs.

HOUSING

There will be adequate housing available for all men and women students for all three summer sessions. The College is unable, however, to provide housing for married students and their families.

After filing an application for admission to the Summer Sessions with the Admissions Office, room reservations should be made through a *written application* to either the Dean of Women's or the Dean of Men's Office *one week prior to the opening* of each session.

Rooms may be occupied after 2:00 P.M. on the Sunday preceding each session.

COLLEGE REGULATIONS

The same college regulations pertaining to student procedure and conduct in effect during the academic year at West Chester State College are effective for the three summer sessions.

ENROLLMENT

Classes will be held in the courses offered subject to enrollment.

REGISTRATION (Undergraduate)

Admission as a student to any summer session does not establish priority or privilege for admission as a student for the regular academic year.

1. DATES, TIME, AND PLACE. Registration: Step I—For each summer session will be held in Swope Hall on the opening day of each session; Step II—Payments will be made in Ballroom of Philips Memorial Building.

The College will operate on Daylight Saving Time.

Registration for the Pre and Post Sessions are held in the mornings between 8:30 - 11:30.

Registration for the Regular (Six Weeks) Session is held as follows:

8:30 - 11:30 A.M. — Names from A - L

1:30 - 3:30 P.M. — Names from M - Z

2. PROCEDURE. Application for admission to any or all of the summer sessions may be made by filling in a form which may be secured from the Director of Admissions, West Chester State College, West Chester, Pennsylvania. Upon filing an application, a student may consider himself accepted, unless notified otherwise, and he should report for registration on the day or days indicated in the Summer Sessions calendar.

3. LATE REGISTRATION. Since the summer sessions are short, it is necessary for students to register at the times indicated as registration periods.

For acceptable reasons, a student may register not more than one day late. No additional absences will be permitted to secure full credit for the courses taken.

CLASS MEETINGS AND PERIODS

In each of the three summer sessions classes will be held on all weekdays except Saturdays.

No class cuts are permitted during the Summer Sessions.

Pre and Post Sessions. The first session of classes in the Pre and Post Sessions will be held on registration day from 1:30-4:00 P.M. After the first day, each class will meet twice daily, 8:00-9:30 A.M. and 10:30-12:00 A.M. The hour from 9:30-10:30 is for rest, library work, or recreation. It will not be possible for a student to carry more than one course during either the Pre or Post Session since all courses meet concurrently.

Regular Session. Classes begin on Tuesday and meet once daily (unless otherwise indicated) at the time stated in the schedule. The schedule for classes during the Regular Session will operate on Daylight Saving Time as follows:

8:00- 9:00	First Period
9:30-11:00	Second Period
11:00-12:30	Third Period
12:30- 1:30	Luncheon
1:30- 3:00	Fourth Period

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* FEES (Undergraduate)

I. Regular Summer Sessions—6 weeks

1. Basic Fee for the Regular Summer Session.

The basic fee is $12.50 per semester hour of credit. A minimum basic fee of $37.50 will be charged. Basic fee for out-of-state students is $15.00 per credit, or a minimum of $45.00.

Students who enroll in the Health Education Curriculum are charged an additional fee of $6.

Those who enroll in the Music Education Curriculum and are taking work toward music certification, but without private lessons, pay an additional music fee of $15.

Applied music fees for accelerating Music stu-

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*These fees are subject to change without notice. All charges for a session must be paid on the day of registration.

dent who attend *both* Pre and Regular Sessions are as follows: $15. for Pre-Session and $30. for Regular Session.

If applied music is consolidated in the Regular Session, the music fee will be $45. No applied music will be offered during the Post-Session. Any variation in the number of private lessons is prorated accordingly.

2. Housing Fee for the Regular Summer Session.

The housing fee for students is $102. This includes room and meals.

(1) An additional charge of $3, is made for rooms with running water.

(2) No reduction in the fee is made for absences of a few days at a time.

(3) A student may, at the discretion of the President of the College, occupy a double room by paying an additional $12.

(4) The rate for separate meals is:

Breakfast $0.60 Lunch $0.85
Dinner $1.25

3. The Student Activity Fee for the Regular Summer Session is $3.50.

4. Books must be purchased. They will cost acproximately $10.

5. Other Charges.

(1) Music Education Students

A. Pipe organ for practice, $12. per session.
B. Rental of orchestral instruments, $2. per session.

(2) Academic Students

A. Private half-hour lessons in voice, piano, band, or orchestra instruments, $8. per session; pipe organ, $14.

B. Rental of piano or orchestral instruments for practice, $2. per session.

C. Rental of pipe organ for practice, $12. per session.

(3) Private voice and piano lessons for Music Education Students carry one extra credit costing $9.00. Chorus, Band, and Orchestra carry one-half hour of credit. (This is in addition to the regular $15. music fee.)

(4) Late Registration Payment — $1. for one day.

(5) Degree Fee—$5. to be paid by each candidate for a degree.

II. Pre-Session and Post-Session

1. Basic Fee for Pre and Post Sessions:
The basic fee for the Pre-Session and Post-Session is $12.50 per semester hour of credit, or a minimum of $18.75. Out-of-state fee is $15.00 per semester hour of credit, or a minimum of $22.50.

Students in either of these sessions who enroll in the Health and Physical Education Curriculum are charged an additional fee of $3.

Those who enroll in the Music Education curriculum and take work toward music certification, but without private lessons, pay an additional music fee of $7.50. Students accelerating in the Music curriculum pay on the same basis as those students in the Regular Summer Session. Any variation in the number of private lessons is prorated accordingly.

2. Housing Fee for Pre and Post Sessions:

The housing fee for the Pre and Post Sessions is $51.00 for each session. This fee includes room and meals.

3. The Student Activity Fee for Pre and Post Sessions is $1.75 for each session.

4. Books must be purchased. They will cost approximately $8.

5. Other Charges—for each session, one-half of those listed under Section 5 above for the Regular Session.

OPPORTUNITIES FOR EMPLOYMENT AND LOANS

Students interested in securing employment should consult the Dean of Student Affairs. Full information concerning student loans will be found in the general college catalog.

PLACEMENT

The Placement Bureau of the College offers excellent opportunities for employment in teaching. Graduates are invited to make use of this bureau without cost.

CERTIFICATION OF TEACHERS

School Laws of Pennsylvania,

Section 1202. State Certificates.—

"State certificates shall be issued as herein provided. Each such certificate shall set forth the branches which its holder is entitled to teach. No teacher shall teach, in any public school, any branch which he has not been properly certificated to teach. . . . .

"A certificate to teach shall not be granted or issued to any person not a citizen of the United States, except in the case of exchange teachers not permanently employed and teachers employed for the purpose of teaching foreign languages."

Provisional College Certificate

A student who satisfactorily completes one of the curricula offered by the College receives his degree from the College and qualifies for a Provisional College Certificate which is issued to him upon application to the Department of Public Instruction, Harrisburg, Pennsylvania.

In the elementary field this certificate qualifies the holder to teach in the public elementary schools of Pennsylvania for three years.

In the secondary field this certificate qualifies the holder to teach the subjects written thereon in the public secondary schools of Pennsylvania for three years.

In health education and music education the certificate qualifies the holder to teach the special subject in both elementary and secondary public schools of Pennsylvania for three years.

Permanent College Certificate

The Permanent College Certificate requires three years of successful teaching in the public schools of this Commonwealth under the Provisional College Certificate and the satisfactory completion of twelve semester hours of additional work of collegiate grade, completed subsequent to the issuance of the baccalaureate degree. One-half of the additional work must be professional and the remainder related to the subject of subject fields on the certificate. This certificate is then a permanent license to teach.

Extension of College Certificates

1. A college certificate valid for the secondary field may be extended to include the elementary field by completing twenty-four semester hours of approved courses in the field of elementary education, distributed as follows: a course in the teaching of reading; the remainder selected from a minimum of four of the following areas; mathematics, arts and crafts, music, physical education, language arts, sciences, social studies, geography, mental hygiene, or a course dealing with exceptional children.

2. A college certificate valid for the elementary field may be extended to include any subject of the secondary field by completing eighteen to forty semester hours in a secondary subject, depending upon the area of specialization.

3. A college certificate valid for the secondary field may be extended to include additional academic subjects when the holder has completed eighteen semester hours of approved education in each subject to be added to the certificate.

Certification in Other States

Concerning the requirements for certification for teaching in other states, students should consult the Dean of Academic Affairs.

UNDERGRADUATE PROGRAM

SUMMER CALENDAR 1962-1963

1962 PRE-SESSION

Registration ..... Monday, June 4
Students will register alphabetically according to last name:
8:30-10:00 A.M. ..... A through L
10:00-11:30 A.M. ..... M through Z
Classes begin 1:30 P.M. ..... Monday, June 4
Classes end ..... Friday, June 22

1962 REGULAR SESSION

Registration ..... Monday, June 25
Students will register alphabetically according to last name:
8:30-11:30 A.M. ..... A through L
1:30- 3:30 P. M. ..... M through Z
Classes begin ..... Tuesday, June 26
Classes end ..... Friday, August 3

1962 POST-SESSION

Registration ..... Monday, August 6
Students will register alphabetically according to last name:
8:30-10:00 A.M. ..... A through L
10:00-11:30 A.M. ..... M through Z
Classes begin 1:30 P.M. ..... Monday, August 6
Classes end ..... Friday, August 24

THE ACADEMIC YEAR

1962 - 1963

FALL SEMESTER

Registration: Freshmen .... Wednesday, September 5
Registration: Sophomores and Seniors ..... Thursday, September 6
Registration: Juniors ..... Friday, September 7
Registration: Part-time and Graduate ..... Saturday, September 8
Classes begin at 8:00 A.M. ... Monday, September 10
Thanksgiving Recess begins at close of classes ..... Tuesday, November 20
Thanksgiving Recess ends at 8:00 A.M. ..... Monday, November 26
Christmas Recess begins at noon ..... Saturday, December 15
Christmas Recess ends at 8:00 A.M. ..... Thursday, January 3
Fall Semester ends at close of examinations ..... Saturday, January 19

SPRING SEMESTER

Registration: Part-time and Graduate ..... Saturday, January 19
Registration: Freshmen and Seniors ..... Monday, January 21
Registartion: Sophomores and Juniors ..... Tuesday, January 22
Classes begin at 8:00 A.M. ... Wednesday, January 23
Spring Recess begins at noon .... Saturday, March 16
Spring Recess ends at 8:00 A.M. .. Monday, March 25
Easter Week-end begins at close of classes ..... Thursday, April 11
Easter Week-end ends at 8:00 A.M. ..... Tuesday, April 16
Alumni Day ..... Saturday, May 25
Commencement ..... Sunday, May 26

Undergraduate Courses Offered

PRE-SESSION — June 4 - June 22

Courses			Credit
		EDUCATION	
Ed.	100	Professional Orientation	3
Ed.	250	General Psychology	3
Ed.	300	Audio-Visual Education	3
Ed.	350	Educational Psychology	3
Ed.	352	Adolescent Psychology	3
Ed.	353	Child Adjustment	3
Ed.	401	Problems of Elementary Education	3
Ed.	414	Professional Practicum (Secondary) (June 11-22) Limited to students approved for secondary student teaching in the Regular Summer Session.	2
		SPECIAL EDUCATION	
Sp.E.	343	Psychology of Mentally Retarded	3
		ENGLISH	
Eng.	101	English I	3
Eng.	221	General Literature I	3
Eng.	224	English Literature I	3
Eng.	328	Children's Literature	3
Eng.	348	Short Story	3
		GEOGRAPHY	
Geo.	101	World Geography	3
Geo.	202	Geography of United States and Canada	3
Geo.	210	Geographic Influences in American History	3
		HEALTH and PHYSICAL EDUCATION	
H.E.	101 or 204	Physical Education I or II (10:30-12:00)	1
H.E.	312	Gymnastics VI (8:00-9:30)	1
H.E.	361	Tests and Measurements in Health and Physical Education	3
H.E.	367	Arts and Crafts in Recreation	3
H.E.	481	Introduction to Safety Education	3
		MATHEMATICS	
Mat.	101	Introduction to Mathematics	3
		MUSIC	
Mus.	220	Fine Arts (Music Majors only)	3
Mus.	220	Fine Arts (All curricula except Music)	3
		SCIENCE	
Sci.	100	Basic Biological Science	3
Sci.	150	Basic Physical Science	3
Bio.	261	Anatomy and Physiology I (plus lab)	3
Bio.	242	Ornithology	3
		SOCIAL STUDIES	
His.	201	History of Civilization I	3
His.	202	History of Civilization II	3
His.	311	History of U.S. and Pennsylvania I	3
His.	312	History of U.S. and Pennsylvania II	3
His.	316	History of American Frontier	3
P.Sc.	333	International Relations	3
P.Sc.	431	American Government	3
S.St.	331	Teaching of Social Studies (Secondary)	3

REGULAR SESSION — June 25 - August 3

(Classes meet daily Monday through Friday unless otherwise indicated)

STUDENT TEACHING: (Application should be filed prior to May 1.)

H.E. 471 Health and Physical Education (6 credits)

Ed. 410 Elementary (6 credits)

*Ed. 412 Secondary (6 credits)

*Enrollment in Professional Practicum, Ed. 414, (Secondary), June 11 to June 22, is required of those who register for Secondary Student Teaching. Students report for registration and class as instructed by the Director of Student Teaching.

FIRST PERIOD — 8:00-9:30 A.M.

Courses			Credit
		ART	
Art	202	Art for Elementary Grades	3
		EDUCATION	
Ed.	300	Audio-Visual Education	3
Ed.	301	Pre-School Education	3
Ed.	302	Problems of Secondary Education	3
Ed.	318	Reading in the Secondary School	3
Ed.	350	Educational Psychology	3
Ed.	351	Human Development (Childhood)	3
Ed.	352	Human Development (Adolescent)	3
Ed.	441	Workshop in Elementary Education (8:00-11:00 a.m.)	4
Ed.	451	Tests and Measurements in Guidance	3
		SPECIAL EDUCATION	
Sp.E.	340	Workshop in Special Education (8:00-12:00)	6
		ENGLISH	
Eng.	000	English	no credit
Eng.	101	English I	3
Eng.	225	English Literature II	3
Eng.	334	Romantic Movement	3
		GEOGRAPHY	
Geo.	306	Geography of Africa	3
Geo.	307	Geography of U.S.S.R.	3
		HEALTH AND PHYSICAL EDUCATION	
H.E.	112	Gymnastics II	1
H.E.	212	Gymnastics IV	1
H.E.	341	Modern Dance	1
H.E.	350	Health for the Elementary Grades	2
H.E.	351	Human Development	3
H.E.	451	Workshop in Health Education (All day: June 25 to July 13) Apply to Miss N. Ruth Reed, Department of Health and Physical Education.	3
HE.	464	Supervised Recreational Leadership (6 to 8 weeks during July and August as a staff member of an approved camp) Apply to Mr. Alvin B. Davis, Health and Physical Education Department.	3
H.E.	483	Psychology of Accident Prevention	3
		LANGUAGE	
Fr.	10	French Seminar	3
		MATHEMATICS	
Mat.	105	College Algebra and Trigonometry	3
Mat.	411	Modern Algebra	3

MUSIC

Mus. 211	Sight-Singing I	3
Mus. 212	Sight-Singing II	2

PUBLIC SCHOOL NURSING

PSN 305	Family Case Work	3

SCIENCE

Sci. 150	Basic Physical Science	3
*Sci. 252	Earth Science	3
*Bio. 302	Ecology (plus lab)	3
Che. 120	General Chemistry (plus lab)	3

SOCIAL STUDIES

His. 313	History of Pennsylvania	3
His. 221	History of Europe to 1815	3
P.Sc. 431	American Government	3
Soc. 331	Sociology	3
**S.St. 300	Seminar in Contemporary European Culture	6

SECOND PERIOD: 9:30-11:00 a.m.

ART

Art 201	Arts and Crafts	3
Art 302	Creative Art	3

EDUCATION

Ed. 100	Professional Orientation	3
Ed. 250	General Psychology	3
Ed. 309	Language Arts (9:30-12:30)	6
Ed. 330	Teaching of the Exceptional Child	3
Ed. 370	Mental Hygiene	3
Ed. 480	Introduction to Philosophy	3

ENGLISH

Eng. 222	General Literature II	3
Eng. 314	Philology and Grammar	3

GEOGRAPHY

Geo. 101	World Geography	3
Geo. 209	Geography of U.S. in its Global Relationships	3

HEALTH AND PHYSICAL EDUCATION

H.E. 261	History of Physical Education (MTWTh)	2
H.E. 482	Driver Training	3
H.E. 150	Health (MTWTh)	2

LANGUAGE

Ger. 10	German Seminar	3
Spa. 10	Spanish Seminar	3

MATHEMATICS

Mat. 131	Analytic Geometry	3
Mat. 351	Arithmetic for Elementary Grades	3

MUSIC

Mus. 110	Theory of Music I	3
Mus. 201	Theory of Music II	3
Mus. 220	Fine Arts (All curricula except Music)	3
Mus. 401	Piano Class—Elementary Teachers	3

PUBLIC SCHOOL NURSING

PSN 302	Public Health Nursing I	3

SCIENCE

*Bio. 112	Botany II (plus lab)	4
*Bio. 141	Zoology I (plus lab)	4
Sci. 250	Science for Elementary Grades	3
Sci. 350	Teaching of Science (Secondary)	3

*Elementary curriculum electives

**Apply to: Dr. Clifford Harding, Social Studies Department

SOCIAL STUDIES

Eco.	331	Economics	3
His.	202	History of Civilization II	3
His.	311	History of United States and Pennsylvania	3
His.	336	History of England	3

THIRD PERIOD: 11:00-12:30 P.M.

ART

Art	101	Fine Arts	3

EDUCATION

Ed.	300	Audio-Visual Education	3
Ed.	306	Introduction to Counseling and Guidance	3
Ed.	350	Educational Psychology	3
Ed.	352	Human Development (Adolescent)	3

ENGLISH

Eng.	102	English II	3
Eng.	211	Journalism	3
Eng.	315	Teaching of English (Secondary)	3
Eng.	353	Speech Problems	3

GEOGRAPHY

Geo.	204	Geography of Pennsylvania	3

HEALTH AND PHYSICAL EDUCATION

H.E.	463	Principles of Coaching (MTWTh)	2

MATHEMATICS

Mat.	101	Introduction to College Mathematics	3

MUSIC

Mus.	301	Theory of Music IV	2
Mus.	322	Orchestration	2
Mus.	327	Teaching Music Appreciation in Elm. Grades	3

PUBLIC SCHOOL NURSING

PSN	303	Public Health Nursing II	3

SCIENCE

Sci.	100	Basic Biological Science	3
Phy.	131	Physics I (plus lab)	4
Bio.	263	Anatomy and Physiology II (plus lab)	3
*Bio.	301	Genetics (plus lab)	3

SOCIAL STUDIES

His.	201	History of Civilization I	3
His.	312	History of United States and Pennsylvania II	3
His.	314	Diplomatic History of United States	3
His.	222	History of Europe since 1815	3
Soc.	333	The Family	3

FOURTH PERIOD: 1:30 to 3:00 P.M.

ENGLISH

Eng.	103	Speech	2
Eng.	104	Reading	2

HEALTH AND PHYSICAL EDUCATION

H.E.	331	Aquatic Leadership	2
H.E.	131	Aquatics I	1
H.E.	205	Physical Education III	1
H.E.	241	Dancing I	1

*Elementary curriculum elective

MUSIC

Chorus
Band and/or Orchestra
Piano, Voice, or Instruments (by appointment)

PUBLIC SCHOOL NURSING

PSN	304	Foundations of Nutrition	3

POST SESSION — August 6 - 24

Courses			Credit
		EDUCATION	
Ed.	307	Diagnostic and Remedial Reading	3
Ed.	350	Educational Psychology	3
Ed.	451	Tests and Measurements in Guidance	3
		ENGLISH	
Eng.	000	English	no credit
Eng.	223	American Literature	3
Eng.	328	Children's Literature	3
Eng.	332	Shakespeare	3
		GEOGRAPHY	
Geo.	102	Geography of United States and Pennsylvania	3
		HEALTH AND PHYSICAL EDUCATION	
H.E.	151	Hygiene	3
H.E.	352	Methods and Materials in Health Education	2
H.E.	364	Organization and Administration of Physical Education	3
H.E.	484	Methods and Materials of Safety Education	3
		MATHEMATICS	
Mat.	101	Introduction to College Mathematics	3
		MUSIC	
Mus.	233	Acoustics	3
		SCIENCE	
Sci.	100	Basic Biological Science	3
Sci.	150	Basic Physical Science	3
Sci.	250	Science for Elementary Grades	3
*Bio.	241	Field Zoology	3
*Phy.	330	General Astronomy	3
		SOCIAL STUDIES	
Eco.	333	Consumer Economics	3
His.	201	History of Civilization I	3
His.	202	History of Civilization II	3
His.	311	History of U.S. and Pennsylvania I	3
His.	312	History of U.S. and Pennsylvania II	3
S.St.	332	Teaching of Social Studies and Geography	3
P.Sc.	431	American Government	3

*Elementary curriculum electives

GRADUATE PROGRAM

West Chester State College offers a graduate program leading to the degree of Master of Education. Degrees can be obtained in one of eight fieds: Elementary Music, Health and Physical Education, English, Mathematics, Science, Social Studies, and Geography.

The program is designed exclusively for persons engaged in classroom teaching. Each of the eight fields in which the student can specialize places its emphasis, therefore, on developing the student's background for his actual teaching.

The basic requirements for the degree are: 30 semester credits, 18 of which must be in the student's area of specialization; the writing of a research report or thesis; and an acceptable overall average. The time limit for earning the degree is six years. Students may transfer a maximum of six semester credits from other accredited graduate schools.

The graduate program at West Chester is fully accredited by the Middle States Association of Colleges and Secondary Schools; the National Council of Accreditation of Teacher Education; the National Association of Schools of Music; and the American Association for Health, Physical Education and Recreation.

The charge for tuition in the Graduate Program is $20 per semester hour of credit. Graduate students desiring housing facilities during the summer sessions may procure such facilities at the regular rates listed on pages 9 and 10. Graduate students are also required to pay any fees (activity fee, library fines, etc.) required of other summer school students, as well as the late registration fee if the latter fee is applicable.

For a bulletin of information or for application for admission to the summer or other sessions, write:

Dr. Thomas E. Berry, Acting Director of the Graduate Program
West Chester State College
West Chester, Pennsylvania

IT SHOULD BE NOTED THAT ALL COURSES OFFERED IN THE GRADUATE PROGRAM, WHEN TAKEN AS PART OF AN APPROVED PROGRAM, MAY BE APPLIED TOWARD PERMANENT CERTIFICATION.

REGISTRATION

Registration: Step I—For each summer session will be held in the Graduate Office on the opening day of each session. Step II—Payments will be made in Ballroom of Philips Memorial Building.

Pre-Session ..... Monday, June 4, 3:00-5:00 P.M.
(Classes meet M.T.W.T., 7:00-9:30 P.M.)

Regular Session .. Monday, June 25, 8:30-11:30 A.M.
(Classes begin on Tuesday, June 26)

Post-Session ... Monday, August 6, 8:30-11:30 A.M.
(Classes begin 1:30 P.M., Monday, August 6)

GRADUATE OFFERINGS

PRE-SESSION — 1962

(Classes meet M.T.W.T. 7:00-9:30 P.M.)

June 4 - 21

REQUIRED COURSES

Mus. 500 Methods and Materials of Reesarch (Music Majors Only)

EDUCATION

Ed. 523 Elementary School Organization and Supervision

ENGLISH

Eng. 550 *Literature for the Elementary School

GEOGRAPHY

Geog. 544 *The Geography of Europe

HEALTH AND PHYSICAL EDUCATION

H.E. 540 School Health Problems

H.E. 550 Foundations and Principles of Health, Physical Education and Recreation

H.E. 570 Curriculum Development in Health and Physical Education

MATHEMATICS

Math 502 Survey of Modern Math

SOCIAL STUDIES

Soc. 532 *Historical Sociology

SCIENCE

Sci. 542 Animal Ecology

MUSIC

Mus. 513 Music Education in the Elementary Schools

*Open to students of all curricula.

REGULAR SESSION — 1962

(Classes meet M.T.W.T.F., June 25 - August 3)

REQUIRED COURSES

Hum.	500	Seminar in the Humanities	8:00- 9:00
H.E.	590	Methods and Materials of Research (Health education majors only)	8:00- 9:00
Ed.	500	Methods and Materials of Research (Elementary majors only)	8:00- 900
Ed.	510	Educational Foundations	8:00- 9:00

EDUCATION

Ed.	502	Secondary School Curriculum	11:00-12:00
Ed.	515	Meeting Individual Needs of Elementary School Children	10:00-11:00
Ed.	530	Selection and Effective Utilization of Audio-Visual Materials	10:00
Ed.	552	Personality and Mental Hygiene	10:00
Ed.	560	Techniques in Guidance and Counseling	11:00
Ed.	590	School Law	9:00
Ed.	591	Thesis Seminar (Elementary majors) (Open only to elementary students who have met all entrance requirements to degree candidacy)	1:00- 2:30 (Mondays) other hours arranged

ENGLISH

Eng.	502	History of the English Language	11:00
Eng.	534	Nineteenth Century American Prose	8:00

GEOGRAPHY

Geog.	541	*The Geography of Canada	11:00

HEALTH AND PHYSICAL EDUCATION

H.E.	500	Dance in Education	
H.E.	502	Elementary Physical Education Workshop	9:00
H.E.	520	Advanced Coaching	9:00
H.E.	530	Physiological and Psychological Bases of Motor Activity	1:30
H.E.	541	School-Community Health Education Workshop	
H.E.	561	Measurement and Evaluation in Health, Physical Education and Recreation	11:00
H.E.	511	Field Problem in Recreation — 2 credits (6 to 8 weeks' attendance at camp July through August)	

MATHEMATICS

Math	513	Foundations of Algebra	10:00
Math	531	Foundations of Geometry	11:00

SOCIAL STUDIES

Hist.	511	Growth of the American Nation	10:00
Hist.	521	17th, 18th and 19th Century Europe	9:00

SCIENCE

Sci.	532	Space Science	11:00
Sci.	561	Human Heredity	11:00

MUSIC

Mus.	505	Contemporary Music	8:00- 9:00
Mus.	508	Choral Literature	11:00-12:00
Mus.	509	Piano Literature	11:00-12:00
Mus.	511	Administration of Public School Music	10:00-11:00
Mus.	515	Marching Band Techniques and Materials	10:00-11:00
Mus.	519	Music Appreciation in the General Music Program	9:00-10:00
Mus.	522	Advanced Composition and/or Orchestration	9:00-10:00
Mus.	584	Seminar in Piano Teaching and Teaching Materials	10:00-11:00
Mus.	588	Seminar in Music Education	8:00- 9:00

ELEMENTARY CURRICULUM ELECTIVES

Mus. 571	Keyboard Activities for the Classroom Teacher	10:00-11:00
Mus. 572	Vitalizing the Elementary Music Program	9:00-10:00

ALL CURRICULA ELECTIVES

Mus. 590	Study and Appreciation of the Symphony	9:00-10:00

APPLIED MUSIC

Mus. 503	Advanced Choral Conducting	1-2 P.M.
Mus. 504	Advanced Instrumental Conducting	1-2 P.M.
Mus. 436-537	Vocal Ensemble and/ or Chorus	1:30-2:30 P.M.
Mus. 538-539	Opera Workshop	1-2 P.M.
Mus. 566-567	Ensemble and/or Orchestra Band	1:30-2:30 P.M.
Advanced Piano, Voice, or Instruments		By Appointment

POST SESSION — 1962

Classes meet M.T.W.T.F., August 6-17)

8:00-9:30 and 10:30-12:00

REQUIRED COURSES

Hum. 500 Seminar in the Humanities

EDUCATION

Ed. 533 Seminar in Audio Visual Materials
Ed. 566 The Activity Program in the Secondary School

GEOGRAPHY

Geog. 420 *Conservation Workshop

HEALTH AND PHYSICAL EDUCATION

H.E. 521 Administration and Supervision of Interschool and Intramural Athletics
H.E. 562 Administrative and Supervisory Practices in Health, Physical Education and Recreation

MATHEMATICS

Math 521 Educational Statistics

SOCIAL STUDIES

Hist. 510 Early American History

SCIENCE

Sci. 523 Resource Material in Elementary Science

MUSIC

Mus. 510 Current Trends in Music Education

*Open to students of all curricula.

ACADEMIC YEAR—Undergraduate
1962 - 1963

HOUSING

The College has made provisions for the housing of its resident students. It may be impossible to provide housing for all students who apply for admission. Although College authorities are embarrassed by this situation, there is nothing that can be done about it in this period of serious housing shortages. It is very important that all housing arrangements for both upperclassmen and new students be satisfactorily settled with the Dean of Women or Dean of Men before any student comes to the campus in September.

ADMISSION REQUIREMENTS

Candidates for admission to the College must meet the following requirements:

1. General scholarship as evidenced by graduation from an approved secondary school or equivalent preparation as determined by the Credentials Evaluation Division of the Pennsylvania Department of Public Instruction. All candidates for admission must take the Scholastic Aptitude Test and English Composition Test of the College Entrance Examination Board.
2. Satisfactory character and personality traits as well as proper attitudes and interests as determined by the high school principal, guidance director, or other school official acquainted with the student.
3. Health and physical condition is evidenced by a medical examination by the student's family physician reported on the adopted form and approved by the college physician. No student shall be admitted who has disabilities which will impair his services as a teacher.
4. Recommendations of two or more college staff members following a personal interview with the applicant.
5. For admission to special curricula the college may require the candidate to take an appropriate aptitude test in the special field in order to obtain further evidence of ability to succeed in the student's chosen field.

Admission Procedure

Admission to the regular fall or spring semester involves a number of steps, the first of which is the filing of application forms which may be secured from the Admissions Office.

Costs

The West Chester State College is owned and operated by the Commonwealth of Pennsylvania and therefore charges no tuition. In effect, *each student who enrolls receives a free tuition scholarship from the State.*

*COSTS BY CURRICULA PER YEAR

A Summary of Costs For the Different Curricula	Elementary Education	Secondary Education	Health and Physical Education	Music Education
Basic Fee	$250	$250	$ 250	$ 250
Special Curriculum Fee	—	—	36	90
Activity Fee	35	35	35	35
Books & Supplies (Approx.)	80	80	80	80
Total — Day Students	$365	$365	$ 401	$ 455
Room & Board	612	612	612	612
Total — Boarding Students	$977	$977	$1013	$1067

NOTES:

1. **THE ABOVE COSTS ARE FOR ONE YEAR.**
2. Payments are due on or before the date of registration.
3. For students other than legal residents of Pennsylvania a tuition fee of $336.00 per year must be added to the above costs.

*4. Fees are subject to change without notice.

CURRICULA OFFERED AT WEST CHESTER

Elementary—

A non-specialized course for teachers of the elementary grades. Specialization in the Kindergarten-Primary or Intermediate areas is possible through selection of appropriate elective courses.

Secondary Education—

Teaching in the junior and senior high schools. Students must choose a teaching field from the following: English, Latin, French, Spanish, German, mathematics, general science, chemistry, physics, biology, geography, and social studies.

Health and Physical Education—

Teaching health and physical education in the elementary and secondary schools.

Music Education—

Teaching music—both instrumental and vocal —in the elementary and secondary schools.

Degree Curriculum for Dental Hygienists.

Degree Curriculum for Public School Nurses.

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